



# The Tech

Vol. 85, No. 24 Cambridge, Mass., Wednesday, Nov. 17, 1965 5c

## Whitaker Building Dedication ceremonies to highlight conference

**By John Corwin**  
The mechanics of memory, the mathematics of hunger, genetic codes, and enzymes will be among topics of discussion at the International Conference on Life Sciences at MIT December 2 and 3. More than six hundred scientists from throughout the world will attend the conference, sponsored by the Institute, on the occasion of the dedication of the new \$5,800,000 Whitaker Building for the MIT Center for Life Sciences.

**Nobel winners to speak**  
Conference and dedication speakers will include two Nobel Prize winners, Dr. George W. Beadle, President of the University of Chicago, and Dr. Francis H. C. Crick of the Medical Research Council for Molecular Biology, in Cambridge, England.

**Whitaker building**  
The new eight story building has been made possible through a gift from Mr. and Mrs. Uncas A. Whitaker of Harrisburg, Pennsylvania, by a research facilities grant from the National Institute of Health, and by gifts from individuals, foundations, and corporations made to MIT's Second Century Fund. Mr. Whitaker, a 1923 MIT graduate, is Chairman of the Board of Directors of AMP, Inc., a leading electrical and elec-

## Finance Board, Activities Coun'l. plan conference

The Finance Board and the Activities Council are planning an activity treasurers' conference in the Student Center for Saturday, December 4, at 1 pm. The conference, the first such meeting to be held at MIT, is open to the treasurers of all Undergraduate Association recognized activities.

Mr. Harold A. Humphrey, Accountant for the Undergraduate Association, will present demonstrations of accounting procedures designed for activities with varying needs.

According to Stephen Douglass '67 of the Finance Board and Keith Patterson '67 of the Activities Executive Board, "The value of this conference to the individual activities will depend largely on what they put into it, and we would appreciate receiving from each treasurer, well in advance of the meeting, any questions they might have and suggestions as to what they might wish discussed. Any activity members interested in activity accounting would also be most welcome."

tronics component manufacturing concern.  
The Whitaker Building, adjacent to MIT's Dorrance Building, provides expanded classrooms, laboratories and office space for faculty, students, and staff working in the area of the life sciences. The building is occupied by faculty and staff of the Department of Biology, headed by Dr. Irwin W. Sizer, and the Department of Nutrition and Food Science, headed by Dr. Nevin S. Scrimshaw.

**Cooperation noted**  
Life sciences at MIT reflect the increasingly inter-disciplinary character of scientific work dealing with the processes and phenomena of life, and include research-and-teaching groups in other departments such as physics, chemistry, psychology, and electrical engineering.

Dean Jerome B. Weisner of the School of Science will be General Chairman of the International Conference, which will be divided

(Please turn to Page 2)

## Nobel recipient Dr. Hodgkin serves as first Mauze Professor

**By Ted Nygreen**  
Professor Dorothy Hodgkin, winner of the Nobel Prize in Chemistry in 1964, just finished one week at MIT in McCormick Hall as the first Abby Rockefeller Mauze Professor.

In 1964, Dr. Hodgkin became the third woman ever to win a Nobel Prize, for her work with X-ray crystallography to analyze large biochemical molecules. Her work in this field led to a thorough knowledge of the penicillin molecule and to the elucidation of the structure of vitamin B-12, essential to human life. The only other women ever to be so honored were Marie Curie, who won the Nobel Prize in 1911, and her daughter Irene Joliot Curie, 1935 winner.

**For Coeds**  
The Abby Rockefeller Mauze Professorship at MIT was established by gifts from Laurance S. Rockefeller and from the Rockefeller Brothers Fund. This is a professorship particularly of interest to Tech coeds, for it provides them the opportunity to meet with distinguished women scholars.

**Wined and dined**  
During her one week visit here, Dr. Hodgkin stayed in McCormick Hall and met with the women there frequently. An introductory dinner gathering in the Student Center was well attended by the undergraduate girls. The new

# Stratton to chair Ford Foundation; will retire as president in June

**By Mike McNutt and John Corwin**  
President Julius Adams Stratton will retire June 30, 1966, and he has been chosen Chairman of the Board of Trustees of the Ford Foundation effective January 1, it was announced this morning in simultaneous releases from MIT and the Ford Foundation.

Upon taking office January 1, Dr. Stratton will succeed John J. McCloy, who has been a trustee since 1953 and Chairman since 1959. Dr. Stratton has been a trustee of the Foundation since 1955.

Dr. Stratton, who will reach the retirement age of 65 May 18, will continue to devote all his time to his duties as President of the Institute throughout the remainder of this academic year.

**Killian praises President**  
In reference to Dr. Stratton's record of service at MIT, Dr. James R. Killian, Chairman of the Corporation, expressed the following sentiment:

"Under Dr. Stratton's leadership, MIT has been advancing on all fronts. It has introduced major innovations in teaching and curriculum development, grown in enrollment, scope, and faculty strength, and carried through a great building program which has transformed the landscape at MIT."

"Let me say that he has been an unusually strong leader, bringing to our institution exceptional poise, unity, and sense of direction. When he retires, he will be greatly missed and long remembered with admiration and affection."

**Took office in 1957**  
Dr. Stratton, who had been Chancellor of MIT, became Acting President in November, 1957; and on January 1, 1959, he succeeded Dr. Killian as President when the latter became Chairman of the Corporation, the MIT equivalent of a Board of Trustees. A scientist and an engineer, Dr. Stratton has distinguished himself as an educator and an administrator during the emergence of MIT, long a foremost technological institution, in the fields of humanities and social sciences.

Although the physical growth of the Institute has been the most visible evidence of change (new buildings costing over \$40 million have been erected since 1962), Dr. Stratton has devoted much of his effort to educational advancement. The graduate program has been substantially expanded, and the undergraduate program has undergone extensive revision.

**Concern for undergrads**  
Dr. Stratton's recollection of the austerity of MIT when he arrived as a student in 1920 has tended to heighten his concern for undergraduates. It was at the request of the undergraduate body that a new building for a Student Center was dedicated last month as the Julius Adams Stratton Building, in recognition of the President's interest in student welfare.

**Studied abroad**  
After receiving the SB degree in electrical engineering, he studied for a year at the Universities of Grenoble and Toulouse in France, and then returned to MIT for graduate work in electrical engineering. He received the SM in 1925 and was a research associate in communications from 1924 to 1926.



Dr. Julius A. Stratton '23

In 1927 he returned to Europe to earn a degree of Doctor of Science in Mathematical Physics from the Eidgenossische Technische Hochschule of Zurich.

**Career at MIT**  
Back at MIT in 1928, Dr. Stratton was appointed assistant professor of theory of electricity and magnetism in the Department of Electrical Engineering. In 1931, (Please turn to Page 2)

## Construction may draw clay from Boston Harbor

**By David Koffman**  
Captain Harold Payson, Jr., of the MIT Department of Geology and Geophysics thinks that clay from Boston Harbor may be useful in construction. According to an article by James B. Ayers in The Boston Globe on November 15, Capt. Payson believes the clay could be used to replace sand and gravel in making concrete.

Investigating this "Boston blue clay" will be one of the uses of the "R. R. Shrock," the Institute's new oceanographic vessel. Though almost nothing is known about the geology of Boston Harbor, preliminary findings show that the clay deposits go down nearly 100 feet, beginning a few feet below the floor of the harbor.

Capt. Payson, who directs marine operations, says that this research will be part of projects in the harbor, including tests of sonar devices developed by Dr. Harold E. Edgerton. By analyzing the contours of the bedrock in the harbor, and by doing laboratory analyses of the composition of the sediment, it is hoped that the origin of the sediments can be determined. These studies may shed some light on theories that the harbor was the pre-glacial estuary of the Merrimack River and that after the last ice age the harbor was a large freshwater lake formed from outwash of the receding glacier.

Thus, though a once beautiful lake has been turned into Boston Harbor, there may yet arise from the muck the New Boston.

## Meets coeds

graduate women association sponsored a luncheon for Mrs. Hodgkin later in the week.

**Two lectures**  
Dr. Hodgkin spoke to many interested faculty and students about her work in chemistry. Her first lecture, Friday, concerned the work for which she was awarded the prize, "Crystallographic Studies and Vitamin B-12." The other lecture, Monday, was entitled "Progress on Some Biochemically Interesting Molecules." She was the guest of honor at a

tea held by the Association of Women Students yesterday, the last opportunity before she left for coeds to exchange ideas with this famous female scholar.

**Comments**  
The potential future of this professorship program for the benefit of the women students at the Institute looks very promising. Judging from the comments of those coeds who met and talked with Dr. Hodgkin, the consensus is that she was "interesting and thrilling. . . we should have more guests like Mrs. Hodgkin."



Photo by John Torode  
Prof. Dorothy Crowfoot Hodgkin of Oxford is pictured in 26-100 with Dr. Irwin W. Sizer, head of Course VII. The Nobel Laureate gave two lectures (last Friday and Monday) at MIT as the First Abby Rockefeller Mauze Professor.

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## MIT Debate Club wins, places 3rd

The MIT Debate Society competed in two tournaments Saturday.

The MIT delegation took third place in the St. Joseph's College tournament in Philadelphia, Pa., with 9 wins and 3 losses. The affirmative team was Paul Kinnucan '69 and Mitchell Wand '69; the negative team was Jim Foster '67 and Bill Arthur '69.

At Stonehill College MIT debaters won first place, taking 6 straight debates. Taking the affirmative were Dave Herrelko '69 and Roy Latham '69; on the negative were Nirmal Gupta '68 and Gary Ketner '69.

Next weekend the Debate Society will be attending tournaments at the University of Vermont and Purdue University.

## Wiesner to chair Life Sciences Conference

(Continued from Page 1)

into three half-day sessions covering the organization of living organisms at different levels of complexity.

### Program opens December 2

The first session, set for Thursday morning, December 2, will be led by Dr. Salvador E. Luria, Sedgwick Professor of Biology at MIT. The session will be devoted to molecular structure and the functional organization of constituents of the living cell.

Dr. Crick will discuss the structure and function of nucleic acids. He was co-recipient of the Nobel Prize in Medicine and Physiology in 1962 for his work in development of a model of the nucleic acid molecule deoxyribonucleic acid (DNA).

### Enzymes, genetics covered

Dr. Daniel E. Kosland, Jr., Professor of Biochemistry at the University of California (Berkeley), will discuss the structure and function of enzymes.

Finally, Dr. Tracy M. Sonneborn, Distinguished Service Professor of Zoology at the University of Indiana, will discuss genetic and molecular patterns of cellular organization.

### Second session

Later that afternoon, the second session will deal with the relationship between cells and whole organisms and the ways in which systems respond and adapt to environment. Dr. Patrick D. Wall, MIT Professor of Physiology, will be chairman.

## Gen. Kiley gets AF appointment

Brigadier General Leo A. Kiley '39 was given command of the Air Force Missile Development Center at Holloman Air Force Base, New Mexico. General Kiley's appointment follows his position as commander of the Air Force Cambridge Research Laboratories in Bedford, Massachusetts.

General Kiley received his Bachelor of Science Degree from MIT, then continued his studies in Meteorology at the Graduate School until 1941. After serving as a U.S. Army Air Corps weather officer, he attended Ohio State University where he received his Doctor of Philosophy degree in nuclear chemistry.

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A new hypothesis for the mechanism of memory within the central nervous system will be described by Dr. John Z. Young, Professor of Anatomy at University College in London.

### Nervous systems discussed

Dr. Vincent G. Dethier, Professor of Zoology at the University of Pennsylvania, will treat behavior in terms of anatomical structure and the character of commands issued by the central nervous system.

Further, Dr. Theodore H. Bullock of UCLA will consider how nervous systems are integrated to achieve their various functions.

### Conference banquet

Thursday evening the Sheraton-Boston Hotel will host a conference banquet led by Dr. A. Baird Hastings, Head of the Laboratory of Metabolic Research at the Scripps Clinic and Research Foundation. Dr. Hastings will review "molecular medicine" — the role that modern technology has played in providing new and useful concepts as applied to man

and his environment, in health and disease.

### Final round

The Friday session will take up the future of man in terms of economics, the availability of natural resources, and the role of the life sciences in determining patterns of civilization. Chairman will be Dr. Samuel A. Goldblith, MIT Professor of Food Science.

During this final session, the mathematics of hunger will be the topic of a presentation by P. Ritchie Calder, Montague Burton Professor of International Relations at Edinburgh University, Scotland.

### Whitaker dedication

Friday afternoon the dedication of the Whitaker Building will be conducted in Kresge Auditorium. Dr. Beadle will be principal speaker, with Dr. James R. Killian, Chairman of the MIT Corporation, presiding.

Other speakers will include Mr. Whitaker, MIT President Julius Stratton, and Dr. Sizer and Dr. Scrimshaw.

## Stratton to leave MIT; taught physics since '28

(Continued from Page 1)

he moved to the department of Physics and became an Associate Professor of Physics in 1935 and a Professor in 1941.

For several years he taught physics to freshmen as well as to graduate students, and he was also engaged in research which led to the publication in 1941 of his book, 'Electromagnetic Theory,' a scientific classic which is still regarded as an authoritative text and has been translated into several languages.

### Engaged in research

He was a leading member of a group at MIT engaged in the

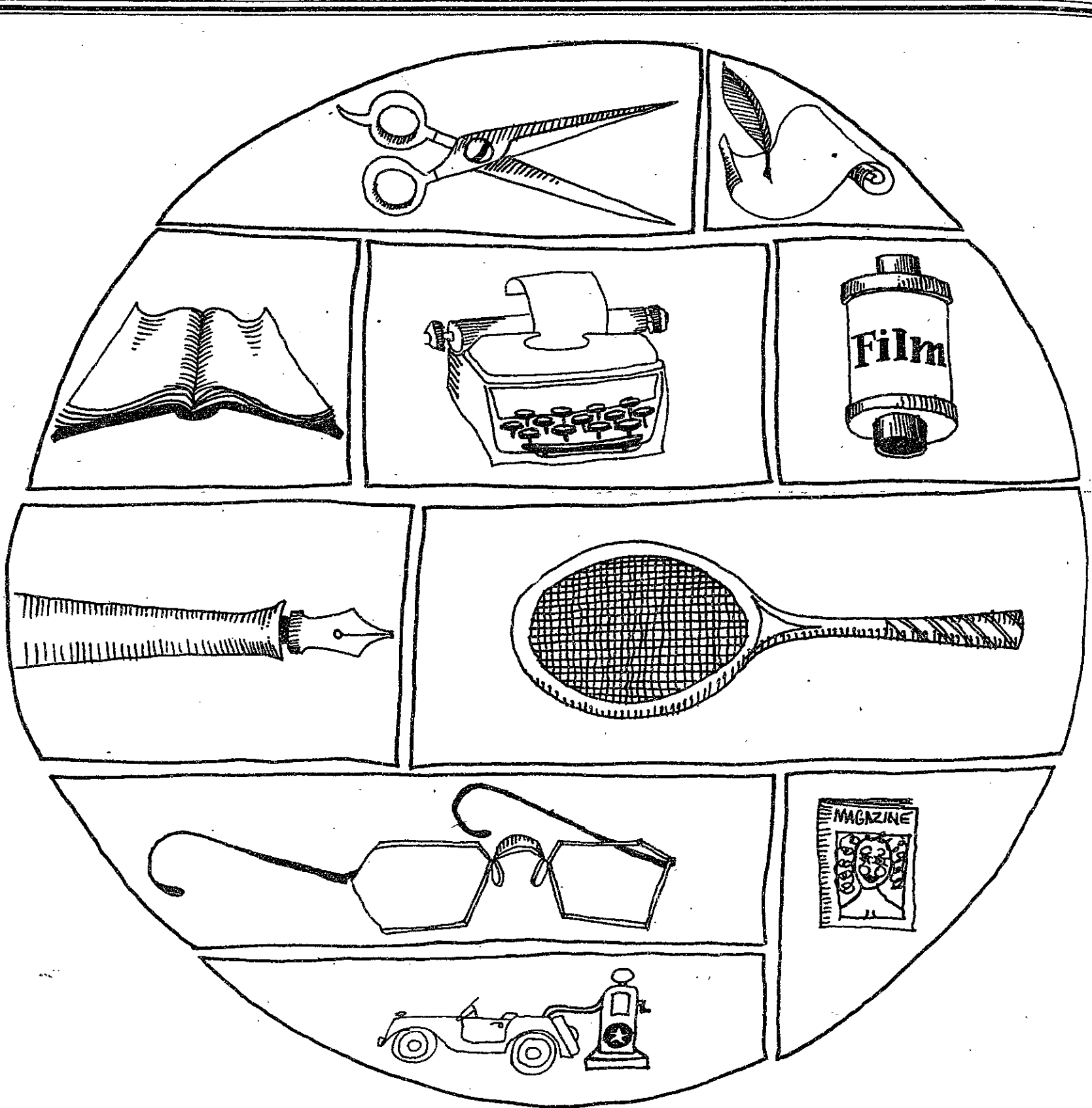
study of electromagnetic theory and, more specifically, microwaves, which laid foundations for modern electronics. Their conspicuous progress in this field was one of the factors which led to the governmental decision in 1940 to establish the Radiation Laboratory for the development of radar at MIT.

Since 1949, when Stratton became Provost of MIT, and during his years as Chancellor and President, the scope of MIT's teaching and research program has grown enormously, mostly in the interdisciplinary centers.

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# Glove Fight victory gives Field Day to Freshmen

THE TECH WEDNESDAY, NOVEMBER 17, 1965

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Photo by George Flynn

Pictured above is Miss Jean Spottswood, the radiant Queen of 1965's Junior Prom. The date of Simeon Mesmanian from East Campus, she herself is a student at MIT. Helping to dispel and improve the typical coed image, she was crowned at the formal dance held in the New Sheraton Boston Hotel in the Prudential Center last Friday night. Providing music for the dance were Chris Powers and his Orchestra with the Folkmen, a folksinging group from New York filling in during intermissions.

**By Mark Bolotin**  
The Class of '69 defeated the Class of '68 handily in the Glove Fight, the major event of Field Day, to come from behind and emerge victorious in Field Day by a score of 54 to 31.

The sophomores took a quick lead in the day's activities by winning the Keelboat Race, a new Field Day event. The sophomores received 10 points for winning the race and 5 points for the best-looking keelboat (possibly due to their extra year of technical education), but were penalized 5 points for letting their boat slip off the logs. The freshmen were awarded 5 points for having the

best-dressed passengers.

The Class of '68 extended its lead by winning 10 points in the race of diminishing returns, one of the mystery events of the day. Both classes started with 32 people, each carrying one object, at one end of the field. These people ran across the field and gave their burdens to 16 people who ran back and passes these objects to 8 people. This continued until each class had only 2 people carrying all 32 items, which included such necessities as beach balls, soap, and 5.02 notes.

The freshmen won the coed candle carry, but won only 4 points compared to 6 for the Sophomores.

In this race the idea of a three-legged race with two people was extended to a six-legged race with five people. The Class of '69 received 4 points, because their coeds were the first to cross the finish line, but the sophomore coeds won 4 points for being best-dressed and 2 points for having the most candles lit at the end of the race.

In the greased-pig contest, neither class was able to capture the pig, so that the 10 points for the event were given to the pig, which temporarily took over second place ahead of the freshmen.

Although there was not enough room for all freshmen on the rope, the Class of '69 won the tug-of-war for 10 points. The freshmen coeds were less successful, and the Class of '68 won the coed tug-of-war for 5 points.

Although behind by a score of 31 to 19, the Class of '69 took advantage of its superior numbers to overcome the Class of '68 in the Glove Fight and thus win Field Day. The decisiveness of their victory was evident by the fact that the freshmen accumulated more than twice as many gloves as did the sophomores.



Photo by Lou Golvin

Sherry Gulmon '68 mans the sophomore keelboat as her class pulls on to victory in the keelboat race at Field Day. However, Sherry was not the sophomores' only secret weapon; a supply of butyric acid, properly applied, helped to distract the frosh.



Photo by Lou Golvin

The victorious freshmen carry their president, Mark Mathis, off Briggs Field. Final score was frosh 54, sophs 31, pig 10.



Photo by Lou Golvin

In another contest in Field Day, freshmen and sophomores match wits against a greased pig. Unfortunately, the pig won.



Photo by Lou Golvin

Up to her ankles in mud, freshman Shelley Fleet stands somewhat exhausted after the sophomore coeds pulled the freshmen coeds through the mud in the tug of war competition at Field Day Saturday.

## JP blast hits Armory



Photo by Gordon Olson

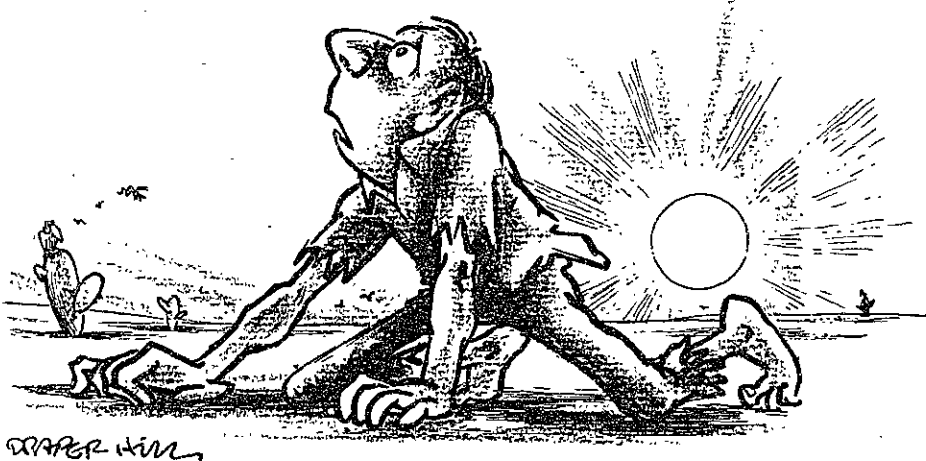
After a long, diversified weekend of concerts, a formal dance, and Field Day, students finish Junior Prom Weekend by letting off steam to the music of the Drifters at Saturday night's informal blast in the Armory. Also entertaining were Sam the Sham and The Pharaohs.

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Unsigned editorials in The Tech are the opinion of The Tech's Board of Directors, not that of MIT. The Tech welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed, but names will be withheld upon request.

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Front Page photo of the Building 6 side of the Whitaker Building taken by John Torode.

## Weekend results

Well, wrong again. '69 came through in a blaze of glory and literally wiped the sophomores all over the field. (See the pictures in this issue.) This result conclusively proves the infallibility of The Tech's Field Day predictions; we are always wrong. Next year's classes had better remember that.

JP proved as successful as usual; the two new locations (the Sheraton and Symphony Hall) were fine, though it seems that the prom is moving farther and farther away from MIT. But it seems to be impossible to get a sizable number of students together, and still be on campus. This is getting to be a real problem, and merits some discussion later.

## Letters to The Tech

### Student Center?

To the Editor:

Well, now we have our Student Center. Yet even the most wedge-headed Techman must know this: as a student union, it is an unmitigated failure. By day a place to eat and go Coop-shopping, by night a center of club meetings and expensive cokes, it is almost a center of activity, where the word "activity" has the grinding noises associated with it at MIT. Yet by being a center of activity, it in a sense precludes its functioning as a student center.

For the Stratton Building is not an island of quiet in our mind-wrenching (sic) world, nor a haven of student life in a school too obsessed with non-student "life." The building is a failure at its once-avowed purpose.

And the imminent (?) opening of the library, bowling alleys, and game room will do nothing to change the nature of the place's use. For, above all, the academically oriented library has no place in a building such as this, and indeed is but another stopgap measure by MIT to avoid the needed decision to build a new central library. And with only 8 bowling lanes and 8 to 12 pool tables, these facilities will hardly draw the active members of an undergraduate body of some 3700.

Will the situation improve? The day they reduce tuition it will.

Leonard Levin, '66

(Mr. Levin has apparently been misled by the peep-hole design around the top of the Center into believing that the building is an arsenal against MIT and the world in general. Even if this were true, the be-

leaguered students would need food, clothing, recreation for those not on guard duty, and perhaps a newspaper to describe the conduct of the war.

The Student Center tries to meet the needs of a large number of students; it tries to add to their education; it tries to relieve the burden of their inescapable role as students — which means people who study. What more can it do?

If there are complaints or suggestions, we're glad to hear them. But remember, one disgruntled student cannot expect to have the building tailored to fit his personal, selfish needs. —Ed.)

### Teachers' role

To the Editor:

I have enjoyed very much your editorial thoughts for the last weeks. I agree with you on the importance of emphasizing general education and not limiting our teaching to scientific and technical matter, excluding all other factors which comprise the whole life. We sense a tendency to consider technology as the answer to all problems without attributing an importance to social and spiritual values. If we follow on this track, at the end we will find ourselves completely materialized and facing the problem of a desperate society comprised of isolated individuals.

In fact, I consider science and technology as instruments for developing and improving society and not as ends in themselves. Students ought to be encouraged to search for knowledge and to apply it to make a better world

## BBC films MIT

The long-awaited BBC movie about MIT, "How to Be First," has finally arrived on campus. Sometime in the near future it will be shown to the MIT community. We urge our readers to see it; it is a provocative film.

The viewer of this one-hour sketch of the Institute should realize what the producer had in mind for his British audience when he made the film. In Britain, long famed for her liberal arts universities, the concept of a school of technology "polarized around science" is virtually unknown. This film draws a direct connection between such a university and the scientific achievement of the rich and powerful United States.

Hyperbole is a valid artistic device; this film is sometimes more art than reality. We got the impression at the end of the film that MIT was a division of the federal government, or perhaps vice-versa. The really disturbing aspect of the film, however, was its emphasis on the cold, computerized, even inhuman atmosphere portrayed, which we have heard fascinated some Britons and repelled others. Frankly, it repelled us. And its basis in fact was just a little frightening.

This whole question of the impersonal university, however, is not a generally resolvable one at MIT. The personal touch can only be added by the individual people who teach and study here. We would suggest that the MIT people who watch this film judge not the school, but themselves. There are, undeniably, both students and faculty who are very nearly machines.

On the other hand, there are even more warm, human people here. People slightly shocked by the BBC film need only notice that Professor Harold Edgerton, for example, is portrayed as a millionaire scientist and industrialist; most of MIT knows him only as an interested teacher, an active researcher, and a fascinating man. To BBC, some things are important; to MIT, other things mean more.

The film, like this review, is an editorial; its purpose in emphasizing some facts and ignoring others is perhaps justified, in England. Maybe MIT is also justified in emphasizing some qualities and ignoring others. We leave it to the viewers to decide what, if any, these qualities are.

from every point of view, without forgetting that man is composed of body, brain, and soul.

Hugo Percz LaSalvia  
Professor of  
Civil Engineering

### De gustibus...

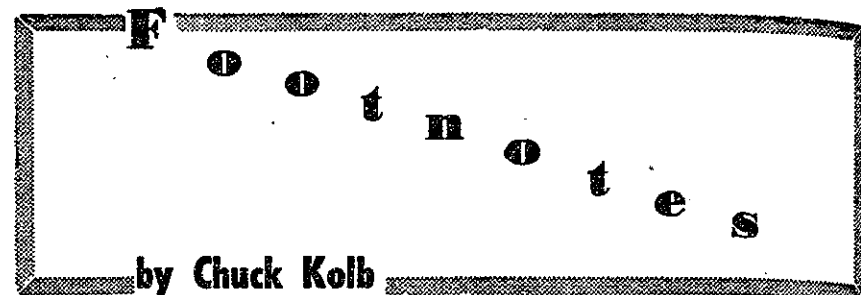
To the Editor:

I would like to call attention to what I consider a deficiency in the Movies and Theatres section of The Tech. While you carry weekly listings of the Astor, the Gary, Mayflower, Savoy, Saxon, etc., I never see any mention of what is currently playing at either the Pilgrim or the State movie theatres, which are also downtown.

Now here you make a serious deletion. The only Boston newspaper which carries listings of these two theatres is the Record-American. And you know the Record-American. So I, and, I am sure, many others at MIT would greatly appreciate it if you would start carrying the listings of the current attractions at the State and the Pilgrim, and save us the waste of eight cents to buy the Record.

Don't laugh, I'm serious. You are just fooling yourself if you underestimate the number of guys from MIT that frequent the lower end of Washington Street downtown. Lord knows, every time I go there I have to pull my hat down over my forehead to keep from being recognized by some other grungy Tech tool. Let's face it, the relatively cheap, relatively quick means of relaxation offered by the Pilgrim and State fits perfectly into the cramped weekend schedule of some poor slob

(Please turn to Page 5)



99. After we spent over two years known to the MIT administration and the world as student #630820, the Registrar's office, in a yet unannounced decision, is going to destroy our identity. Starting some time next month we are going to be redesignated 219-46-0018.

Crazy? You may think so, but take our advice and start memorizing your social security number. Afraid that they won't be able to identify enough of us by a six digit number, the bureaucrats that be have decided on a convenient nine digit number.

Remember that space on this year's registration forms that requested your social security number, and the helpful little note that told you how to get one if you had so far avoided it? Even the roughly 350 foreign undergraduates will be required to establish a social security account. The Young Americans for Freedom must really feel persecuted.

Perhaps we're sentimental, but we'll miss the old number that gave your year, was even for all those who entered as freshmen, and even designated coeds. It was always kind of fun to see which of your buddies in other classes had numbers closest to yours. Besides, we wonder if we can write small enough to get the extra three digits in a library card blank.

Apparently the Registrar's Office doesn't believe that leg-and on the bottom of our social security card: "For social security and tax purposes—not for identification."

100. If our editor, John Montanus, seems even smugger than his usual "intellectually shoddy smugness" that writers

of letters to the editor have accused him of, please try to understand.

He had barely recovered from seeing himself in his starring role in the BBC's MIT film previewed here Friday, when he learned that the editor of the Oregon Statesman, Salem, Oregon (circ. 28,545—daily) had picked up The Tech's October 20th editorial, "Students, the draft and civic duty," and quoted it extensively in the Statesman's October 30th issue.

The Statesman's editor commented on the aptness of Mr. Montanus' remarks. Those of you who have different opinions of that aptness can take consolation in the hope that the Statesman's editor will have read your letters of exception in later issues.

101. We'd like to congratulate Professor Henry Kendall on his really cracking 8.05 lecture Monday of last week. Dr. Kendall gave an explosively informative lecture on the physics of atoms and molecules, while underfoot quite a few molecules of nitrogen tri-iodide supplied emphatic punctuation to his remarks.

102. For those of you who are tired of trekking to Central Square for your toys or to the Office of Lab Supplies for your scientific supplies, try the vending machine in the basement of Building 26 nearest the lower entrance to 26-100.

The last time we checked, not only could you get Superballs for 75c, but also plastic diffraction gratings (5c), pocket magnifiers (30c), Slinky Juniors (30c), quarter-wave plates (50c), Calcite (40c), and linear or circular polarizers (10c).

### Inside Incomm

JP shows profit for '67;  
SCEP seeks members

By Bill Byrn

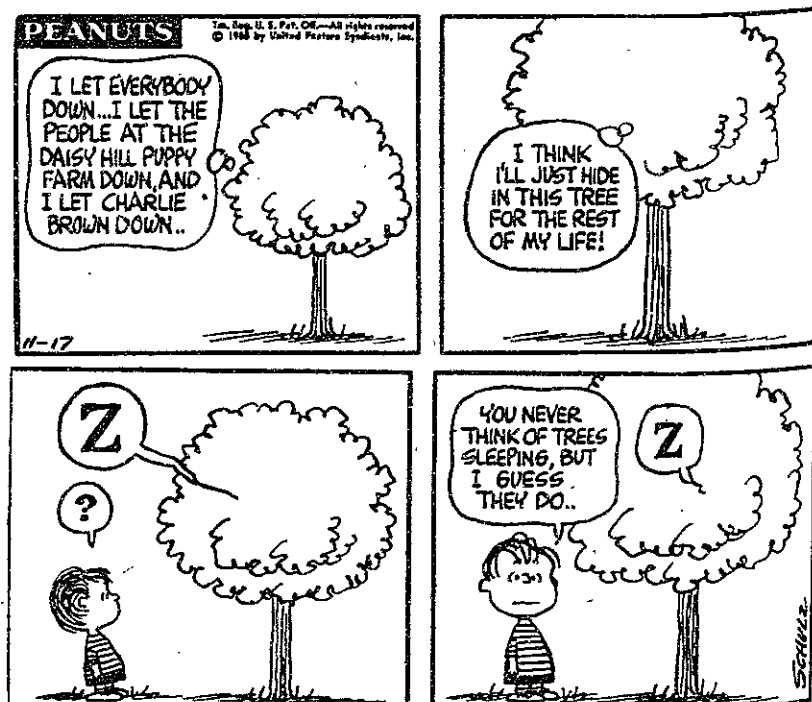
Although many of the bills and cash costs of the Junior Prom weekend have not been received, and final accounting probably will not be available for a month or so, first indications are that a small profit (less than \$300) will remain for the class treasury. This means that income and expenses were balanced to within 3 per cent. Our thanks for an enjoyable weekend go to the '67 Executive Committee.

The Student Committee on Ed-

ucational Policy is seeking new members from the classes of 1967-69. Any students interested in academic policies and willing to work should complete the application forms, available in the Incomm office in the Student Center, before Friday.

There have been a few questions about communications with the various Incomm administrative subcommittees. Each of these groups meets weekly during

(Please turn to page 5)





## Grille room contest over; decision set for tomorrow

By Ted Nygreen  
The contest to name the "grille room" restaurant in the Student Center is now over, with a total of over 500 entries submitted over the two week period of the contest. These entries have been screened, and the final judging will take place tomorrow morning, when a team of faculty members will meet with the committee to make the decision.  
The winner will be announced in The Tech next week, and the prizes will include a dinner for two at the Top of the Hub restaurant, 50 stories up the Prudential building, followed with theatre tickets to a Boston play. Mr. Grotheer, director of the dining facilities in the Stratton building, will supply the meal; The Tech is providing the theater tickets.

### Answers

Many people have expressed concern for the completion of the library, the bowling facilities in the basement, and longer hours of opening for the "grille room." Presently the Student Center Committee is pursuing the answers for all the questions continually raised by the student body.

### Semi-mixer

The Committee is tentatively planning a "Semi-mixer," the first of its kind, to be held in the Center about the second week of next semester. Members of the Committee are planning to invite personally out of town girls to attend — the purpose being to give you a chance to meet girls you wouldn't ordinarily meet.  
Girls from Smith, Holyoke, Pembroke, and Bradford will be imported to the Student Center "Semi-mixer" where there will be

guaranteed a top rock'n'roll band to shake the night! Rob Taylor '66 is investigating the potential of such a blast.

### Ideas

Many meaningful ideas have stemmed from everyday suggestions students offer to Committee members about the new Center. For example, dissatisfaction with the paying arrangement in the grille brought about the use of a cashier at the door. We are always open to this type of suggestion; it is necessary to know what everyone thinks about his new Student Center. There will be a suggestion box set up in the mezzanine restaurant soon, which hopefully each concerned person will take the time to use. It's for the benefit of all.

## Inside Inscomm

(Continued from Page 4)

the term and will be happy to consider your ideas about their areas of responsibility. The Student Center Committee meets each Tuesday, at 11 am, in the East Lounge of the Center. The Finance Board usually meets Sunday in the Inscomm office, but at irregular times. The Activities Executive Board meets Wednesdays at 4 pm, in the Inscomm office.

Finally, our congratulations to the frosh for their Field Day turnout.

The Institute Committee will meet at 2:30 pm in the Ahrendt Room of the Student Center. An agenda will be posted prior to the meeting, and all are welcome.

## New folders printed

## Analyze Summer Jobs Abroad

The Foreign Opportunities Committee, in cooperation with the Placement Office, has prepared a number of folders containing literature and application forms for the two 'Summer Jobs Abroad' programs accredited by MIT. They will be available within the next few days at the Placement Bureau, E19-455.

The characteristic feature of the two programs is the one-to-one relation between a job found for an American student in Europe and one found for a foreign student in the States. The task of searching for a position for the foreign student is left to the applicant. It is felt that a great deal of benefit is derived from interviewing various company executives with that end in mind.

In the past, interviews were held to rate the applicant according to his qualifications. At present, however, it is understood that the best measure of the candidate's competence is his effectiveness in obtaining a job for his counterpart.

The literature contains guidelines on procedure in interviews and applications and is valuable in overcoming the initial difficulties of the search. "The programs

have proved successful over the years and have included campus leaders such as Doug Spreng '66, Pete Kirkwood '66, Pat Winston '65, Bob Pindyck '65, and others," said Foreign Opportunities Chairman Rich Krasnow '67.

The main reason behind MIT's support for these organizations is the caliber of the jobs offered, far superior to that of unilateral organizations such as A.S.I.S. or I.S.I.S., according to Rich.

The first program, IAESTE (International Association for the Exchange of Students for Technical Experience), is, as indicated by its name, involved with jobs for scientifically oriented students. This typically suits the MIT student, independent of the field of his major, since the General Institute Requirements come close to fulfilling the prerequisites.

The second program is a student-run national organization, AIESEC (Association Internationale des Etudiants en Sciences Economiques et Commerciales), and accepts students with at least two terms of subjects in a field related to economics, business, or political science. Full information on these programs is contained in the packets.

As an additional note, the Committee feels it should warn the students against the pitfalls of other organizations, which unfortunately have not lived up to their claims. People who dealt with these organizations are known to have been stranded in Europe without a job or direction in which to go. Separate organizations are kept in file and past dealings with them can be carefully examined.

## Outing Club to host slide show tomorrow

The MIT Outing Club will host a slide presentation of mountaineering in the Cascades and Bugaboos, November 18, at 8 p.m. in the Bush Room (10-105). Admission is free.

On Nov. 25-27 MITOC will conduct its annual "Turkey-in-a-Tent." Winter mountaineering, climbing, and Thanksgiving dinner on Mt. Katahdin, Baxter State Park, Maine, highlight the event. Information is posted on the Building 2 Bulletin Board or may be obtained from Shelby Hildebrand: 868-9052 or dl 0-552.

## Letters to The Tech

(Continued from Page 4)

desperately trying to make up all the work he got behind in the previous week each and every weekend. I would give anyone odds that in any given week, the MIT attendance at either the State or the Pilgrim greatly surpasses the MIT attendance at the Park Square Cinema, the Capri, West End, Gary, and Esquire theatres combined.

I earnestly entreat you to start printing the weekly listings of the Pilgrim and State in the Tech and save myself and others like me from buying that stupid Record-American.

Kenneth La Casse, '68

### Blackout

To the Editor:

I would like to take this opportunity to commend my fellow college students for their presence of mind and exemplary behavior during the recent power failure.

One of the most striking examples of this presence of mind was to be found at almost every major intersection in the Back

Bay section of Boston, where college students took over the directing of traffic when the stop lights failed during rush hour traffic.

There are many other examples of students serving their community which occurred during the blackout. It is situations like this which give students an opportunity to show they are civic-minded and not apathetic.

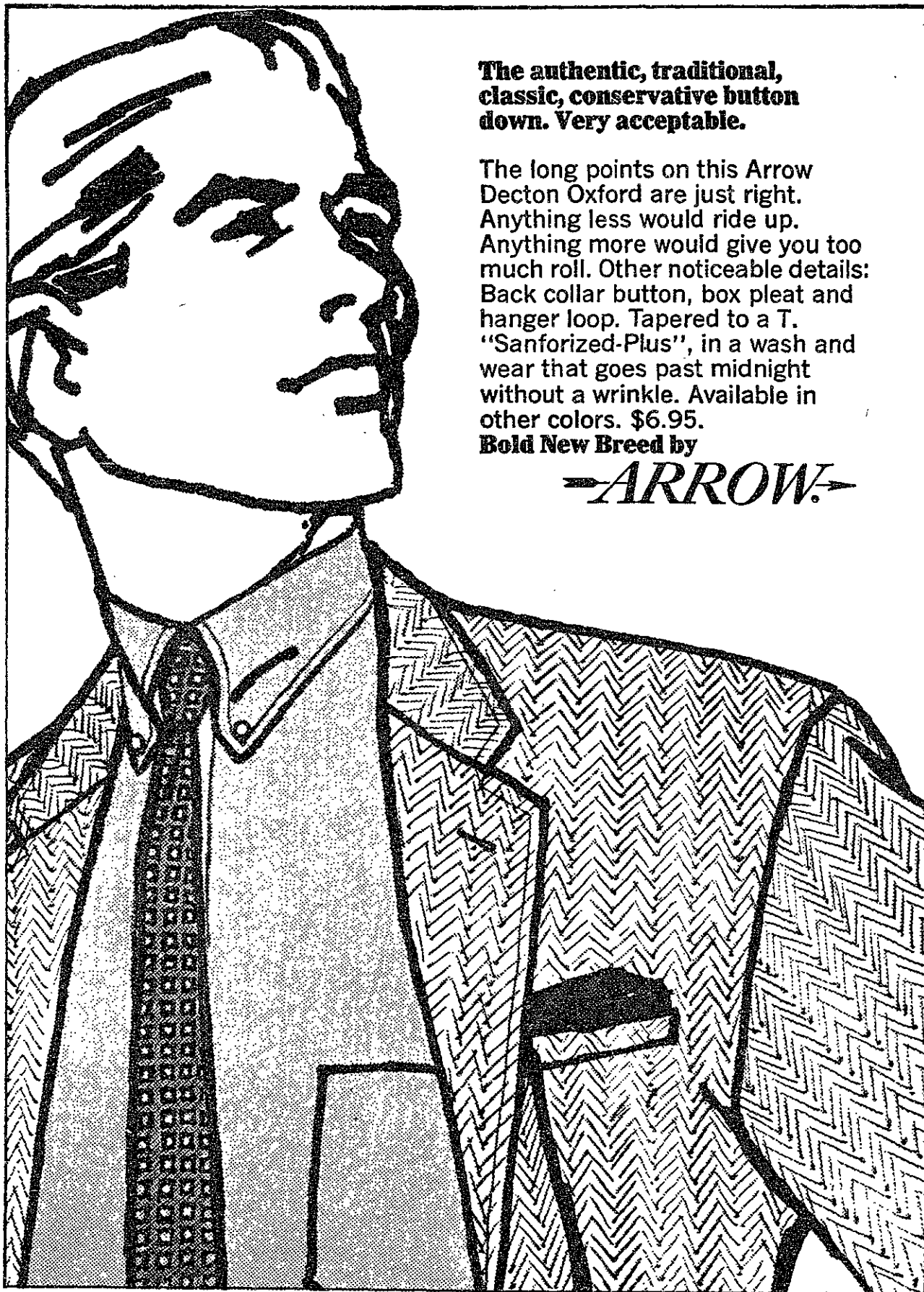
Guy H. Frindell '66.

To the Editor:

The recent power failure points out the serious lack of emergency lighting at the Institute. To my knowledge, there was no lighting at all in at least buildings 12 and 24. I am under the impression that, legally, there must be emergency lights in the stairwells and if this is not the case, the institute should install some anyway.

The people trapped in the unlighted buildings were fortunate that some light from a full moon managed to come through the windows. On a dark night there would have been chaos.

James A. Rome, '64



The authentic, traditional, classic, conservative button down. Very acceptable.

The long points on this Arrow Decton Oxford are just right. Anything less would ride up. Anything more would give you too much roll. Other noticeable details: Back collar button, box pleat and hanger loop. Tapered to a T. "Sanforized-Plus", in a wash and wear that goes past midnight without a wrinkle. Available in other colors. \$6.95.

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## Looking Back

### Bullets, policemen and Techmen

By Bob Horvitz

60 years ago

... the Course III class of '07 defeated the Course I class of '07 by a score of 5-0 at football. The article reporting this athletic event ran, appropriately enough, under the headline: "Intercourse game."

25 years ago

... "one of the local gendarmes was given a nasty shock by a member of Senior House," reported The Tech on November 15, 1940, in the following article:

"As a local police officer walking along the byways of Cambridge near the Institute, he was shocked to hear a buzzing whistle as something flew by his ear. Fate had it that a senior was annoyed by the little birds outside his window which daily rose at sunrise and greeted the dawn with loud cries of joy.

"This arose other little birds which also heralded day with a rousing crescendo, rousing, in particular, one irate MIT senior.

"So on this morn, he quietly sneaked to the window, loaded a rifle with a .22 calibre target bullet and let fly at the bird. His aim was unsteady at that hour, and while he did scare the day-

lights out of the bird, it was as naught compared to the effect on the policeman walking along Memorial Drive. That worthy gave a gasp and dove for a low wall, pulling his gun as he went.

"Half an hour later he cautiously poked the gun and then his head above the wall. Nothing happened so he slowly emerged and sadly shaken took up his beat again.

"The day was calm and everything was peaceful and in the distance he could hear the twittering of little birds in the still morn."

10 years ago

... bullets, policemen, and Techmen were again brought together. On November 13, 1955, a Cambridge Police Officer heard "wild noises" during the early morning in the middle of the Radcliffe Quad. After calling Central Square Station for help, he headed into the Quad and spotted three figures.

He called for them to stand still, and when they started to run, he, taking them for Cambridge hoodlums who had been recently causing disturbances in

the area (it was noted that two of the figures were wearing black leather jackets), fired two shots. All three immediately stopped.

Three Techmen, a Freshman, a sophomore, and a junior, were then arrested, brought to police station, charged with disturbing the peace, and released on bail. It's nice to see that the Seniors were too mature to go in for this sort of action... MIT held what was obviously the forerunner of the current Tech Best-Dressed-Man-on-Campus Contest being sponsored by Esquire Magazine.

To choose the "Ugliest Man on Campus" was the goal of the contest sponsored by APO in 1955. To run, an undergraduate needed only to submit his petition with \$2 and begin campaigning.

The contest, which was held to raise funds for Cambridge Boy Scouts, offered as an award to Tech's "Ugliest" an expense-paid evening with a beautiful girl and a trophy and certificates proclaiming his office. Campaigning centered on novel ways of convincing the student body that one contestant was uglier than all the others.

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### Students asked library reading preferences in SCEP questionnaire distributed this week

The Student Committee on Educational Policy (SCEP) is cooperating with the administration of the MIT Libraries in preparing a questionnaire for circulation this week in the lobby of Building 10. This poll will sample student opinion on several matters concerning the library system.

The new Student Center Reading Room will duplicate all of the reserve book rooms in the other libraries, and students will be asked what type of books and periodicals they would like to see available.

The Reading Room will also be open twenty-four hours a day, seven days a week. One question of the inquiry asks if the student expects to take advantage of this opportunity between the hours of 1 am and 7 am.

The remaining questions ask the student if he finds the current hours of the other libraries convenient, if he has difficulty finding books in any one library or for any specific fields of information, or if he has difficulty getting re-

serve materials for his classes.

The poll will be conducted under the direction of Allan Greene '66, Chairman of the Library Subcommittee of SCEP and Captain of the Library staff.

### GRADUATE STUDIES

THE UNIVERSITY OF CHICAGO GRADUATE LIBRARY SCHOOL will offer a number of scholarships and fellowships for graduate study during 1966-67 leading to the M.A. or Ph.D. degree in Library Science. Application deadline is Feb. 1, 1966. Awards will be announced April 1, 1966.

Half time research assistantships will also be offered for faculty supervised work in the following areas:

Theories of indexing, classification, information retrieval.  
Design studies of future library catalogs.  
Computer applications to indexing and cataloging.  
Automatic translation of languages.  
Indexing and dissemination of biomedical literature.  
Sociological studies of reading.  
Operational analysis of libraries.

The program of 1 1/2 years leading to the M.A. degree is somewhat longer and more demanding than in most schools of librarianship. Emphasis within the curriculum is placed on the planning of future libraries and information systems.

College graduates, regardless of subject specialty, who have good academic records and a serious interest in librarianship or information science are encouraged to apply. Entrance examinations are required.

Write to: Office of the Dean  
Graduate Library School  
The University of Chicago  
Chicago, Illinois 60637

## How to get to Britain next summer

— a travel guide for students

You'd like to go to Britain, but your parents blanch at the cost? Here's a way to convince them it needn't be all *that* much.

1. Mail the coupon. It will bring you 8 free booklets on Britain. One of them has tips on group travel and inexpensive ways of crossing the Atlantic.
2. Decide how long you want to stay, then use the booklets to work out living costs. Examples: bed and breakfast in college halls of residence cost between \$2 and \$4.50; in Youth Hostels—under \$1. You can get a good lunch in a pub, or dinner in a restaurant, for around \$1.
3. Add costs for getting about. The booklets report on bargains like 900 miles of rail travel for \$30, buses that go everywhere for 2¢ a mile.
4. Put plays and festivals on your schedule. You can afford to. London theatre seats start at 42¢. Tickets for the Shakespeare season (at Stratford-upon-Avon from April to November) start at 70¢.
5. See your travel agent for information on student tours. Then present your budget to your parents at some well-chosen moment. (Hint: Christmas is coming.)

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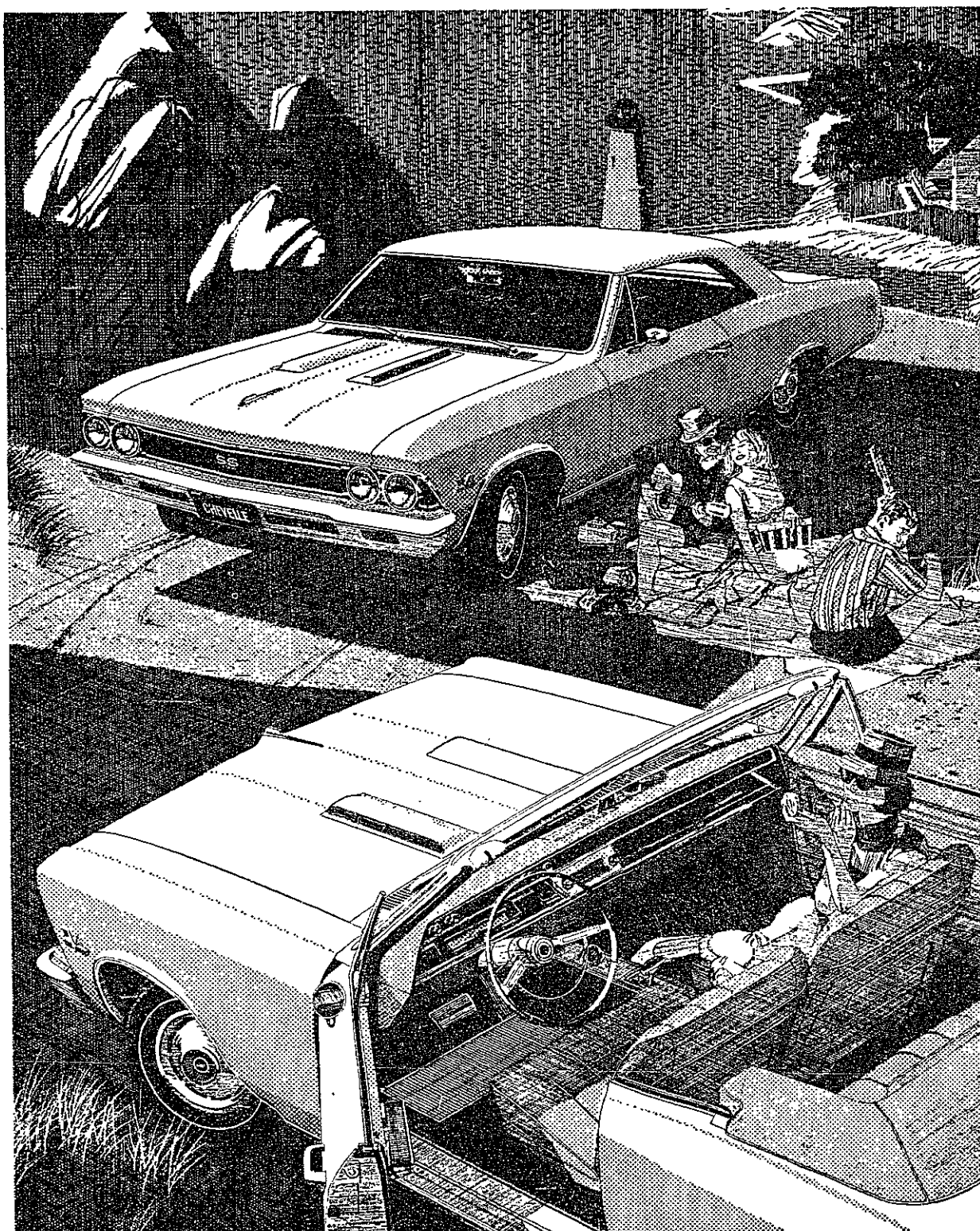
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So much for what happens on straightaways. How about curves? You ride on a special SS 396 chassis—with flat-cornering suspension and wide-base wheels.

A fully synchronized 3-speed transmission is standard. Or you can order a 4-speed or Powerglide—also Strato-bucket front seats, center console and full instrumentation.

Sound like a car you could get serious over? That, as you'll see at your dealer's, is precisely how Chevrolet engineers planned it. Seriously.



New '66 Chevelle SS 396 Convertible and Sport Coupe.

See the new '66 Chevrolet, Chevelle, Chevy II, Corvair and Corvette at your Chevrolet dealer's



## New record of over 300 pints predicted for IFC Blood Drive

By Steve Swibel

"About 300 pints of blood should be donated to the New England Hemophilia Association this year by the IFC," stated Harvey Golomb '67, Chairman of the annual IFC Blood Drive. The drive will be held Thursday, November 18, in the Sala de Puerto Rico in the Student Center from 9:45 am to 3:45 pm.

"This year's drive promises to be the most successful in the IFC's history," commented Harv. "With registration running 30% above a year ago, the IFC should better last year's high of 229 pints with ease."

Harv continued, "The success of this drive now lies in the hands of those students who have agreed to donate. Everyone must keep his appointment."

He further explained, "The drive will produce a needed supply of blood for hemophilia patients in New England, and, at the same time, be a valuable service to the community by the IFC."

The hemophiliac's blood lacks a vital clotting factor which abnor-

mally delays clotting, and uncontrollable external or internal bleeding may be incurred by the smallest incident. External bleeding can often be stopped by chemicals and surgical dressings.

However, the hemophiliac's primary problem is the crippling caused by internal bleeding into joints, which can be arrested only after many transfusions of fresh blood and plasma. Donators give up about one hour of their time to supply one pint of whole blood.

This blood can be used directly in transfusions for up to three weeks if it is properly refrigerated. After this time, plasma is extracted from the whole blood. In this manner, the collected blood will never go to waste.

The blood made available to hemophilia victims will have a value of approximately \$7500. The value of each pint of whole blood is \$25 or more, depending upon the Rh factor and type. At Massachusetts General Hospital, the number of transfusions per patient with hemophilia has ranged from 20 to as many as 196 in a single year.

## College World

By Mike Rodburg

Imitation, always the sincerest form of flattery, has flung the spirit and excitement of Field Day across the entire continent. John Middleditch, writing for the California Tech (it is by no means The Tech's western edition) of Cal-Tech, reported on what they term the annual Freshman-Sophomore Mudeo.

This spectacle is said to have existed 'from time immemorial' though the general expanse of time which this is supposed to imply is doubtful since Cal-Tech, itself, wasn't founded until 1901. MIT's Frosh-Soph rivalry, on the other hand, goes back to 1886, when the first official event took place. The class of 1890 won it, incidentally.

Judged by juniors

The Mudeo is "judged by the Junior Class and, in particular, by the Junior Class President." It seems, however, that the impartiality of the judging may be swayed by cold, hard cash."

"The struggle consists of five muddy events. The tug of war will literally pit the frosh against

## CalTech mirrors Field Day; Freud banned at Harvard game

the sophs in the ultimate test of filthy team efforts. The sack race is more of an individual affair, with the mud-pit filled with writhing bodies resembling an army of wounded earthworms.

"The mudeo, or the namesake of the competition, is a jungle-rule contest between five teams of two men each from the frosh and soph classes. The teams fight piggy-backed in the sticky mire until one class is completely victorious in dumping the other.

Tire spree last

"Last, but not least, and certainly dirtiest, is the tire spree. For this event, some 20 tires are placed in the muck and one class will have the pleasure of dragging these out against the corporal objections of the other class." This idea of a two class free-for-all may be the result of independent scientific thinking, but perhaps colored gloves are just too confusing for the Cal-Techmen.

The mudeo is not at the mercy of the fixed, impartiality of a Beaver Key type organization. "The judges of the contest, being members of the Junior Class will

display a bit of decadent, petty-bourgeoisie class consciousness in deciding who shall be the victors. Hence the Mudeo has nearly always been won by a very slight margin (usually 3-2) to the highest bidders.

All forms of judicial prerogatives are considered. Last year the frosh tied their end of the rope to a wire fence, thereby winning the tug of war. The sophs objected to this, but the Junior Class president couldn't "see that far" and the sophs had to lump it. The frosh finally riled him by slinging mud at sophs during the wheelbarrow race and were consequently disqualified.

Winners pay

"The winning class not only has to fork over enough to pay for the pit (any excess providing the juniors with liquid refreshments) but they also have to protect the judges from a gooey grave at the hands of the sore losers. (No one, alas, protects Beaver Key.) Last year, the president was dumped by the sophs; he retaliated by awarding the victory to the frosh. The losing class pays the winning class' share of the costs of the All Class Prom, Lost Weekend."

Middleditch noted that "this year the frosh and sophs have been lax about their competitive bargaining." The junior class president, concerned with the situation, "plans on dropping a few discreet hints to the frosh section leaders."

\* \* \*

The Harvard Crimson reported that a half-time band script had been censored by Adolph W. Sam-borski, director of Athletics at Harvard. A band member did reconstruct the original for the Crimson. It was to be "A Harvard Game Through the Eyes of Sig-mund Freud."

"After the announcement of the program's title, the band would march onto the field playing 'Love is a Many Splendored Thing.' The p. a. announcer would comment, 'Freud would accuse some undergrads at the game of perverting his teaching.' Then the band would form the word 'sex.'"

"As the band changed its formation from 'sex' to 'libido,' the announcer would note, 'Freud would have remarked that some at the game sublimate their instincts by kicking and throwing a ball, while others direct their energies to other ends.' Then the band would race euphorically

(Please turn to Page 9)



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## The Bulletin Board

Compiled by the Public Relations Committee of Incomm, The Bulletin Board is a weekly service of the PRC and The Tech.

Meetings and events may be included in this article and in the MIT Student Bulletin by filling out a form in the Incomm office or in Mr. Jim Murphy's office in the Student Center at least 12 days in advance of the week the event is to occur.

The deadline for events of the week of November 22-28 is today, November 10.

Further information may be obtained from Bob Howard (x3783), editor of the MIT Student Bulletin.

### Wednesday, November 17

- 12:00 noon—Episcopal Communion Service. MIT Chapel. Followed by lunch at 317 Memorial Drive.
- 5:00 pm—MIT Concert Band rehearsal. Kresge Auditorium.
- 5:00 pm—MIT Glee Club rehearsal. Kresge Auditorium.
- 7:00 pm—Gilbert & Sullivan Society rehearsal. Kresge Auditorium, Rehearsal Room B.
- 7:30 pm—APO meeting. Student Center, Room 491.
- 10:00 pm—Lutheran Vesper Service. MIT Chapel.

### Thursday, November 18

- 9:00 am-5:00 pm—IFC Hemophilia Blood Drive. Student Center.
- 5:00 pm—Tangent meeting. Student Center, Room 485.
- 5:00 pm—MIT Glee Club rehearsal. Kresge Auditorium.
- 7:00 pm—Gilbert & Sullivan Society dress rehearsal. Kresge Auditorium.
- 7:00 pm TCA Mental Hospital Project. Meet in Student Center, Room 450.
- 7:15 pm — Tech Catholic Club meeting. Cider & donuts. Student Center, Room 400.
- eeT Aud-meet-and SH SCS

### Friday, November 19

- 12:00 noon—Voo Doo: Stunt, Lobby Building 10. Sales in Buildings 10 and 2.

1:00 pm — MIT Islamic Society: Juma Prayers. Kresge, Rehearsal Room A.

5:00 pm — Tech Catholic Club: Philosophy Lecture Series. Room 3-133.

5:00 pm—Science Fiction Society. Spofford Room. 1-236.

5:15 pm—Vedanta Worship Service. MIT Chapel.

7:00 pm — L.S.C. Movie: Banana Peel. Admission: 50c. Room 26-100.

7:30 pm—MIT Hill: Friday Evening Service. MIT Chapel.

8:00 pm—MIT Chess Club: MIT vs. Cambridge YMCA. Mezzanine Game Room.

8:30 pm — The Yeomen of the Guard, presented by the Gilbert & Sullivan Society. Admission: \$1.75 per person. Kresge Auditorium.

9:00 pm—L.S.C. Movie.

### Saturday, November 20

11:30 pm — Swim Clinic Lecture: Psychological and Mechanical Principles of Swimming. Speaker: Coach Samuelson. The MIT Pool.

Afternoon — Crew: Class Day Races. The Boat House.

1:00 pm — War Games Society meeting. Student Center, Room 473.

(Please turn to page 14)

## Music at mit...

### Quartet heard by varied audience

By Dan Asimov

MIT received its second treat of Beethoven string quartets Sunday, with the Fine Arts Quartet performing.

Kresge was nearly filled, but a close examination revealed that it certainly was not filled with MIT students. Most of the audience was faculty and guests, and I feel this is an indication of MIT students' lack of music-consciousness. The Beethoven Quartet Series, presented by the Humanities Department, is one of the finest musical events that has ever come to MIT. It should be taken advantage of, especially by those who have not listened to much music before.

The program consisted of one quartet each from Beethoven's early, middle, and late periods. Each of the concerts in this series is planned this way, with the intention of allowing the audience to contrast the styles as well as to appreciate the individual pieces. The last program, to be presented on March 6, will include Beethoven's Grosse Fuge as well. Each concert will be preceded by a lecture by Klaus Liepman, Professor of Music.

For acoustical purposes, a screen was put up on stage behind the performers. The acoustical difference was barely noticeable to me, but the screen helped make the performers look less insignificant on the wide Kresge stage.

The first quartet played was the E flat, sometimes called the Harp Quartet. The performers took the first movement with no trouble, although there are several very difficult parts. It relied heavily on pizzicato, which as usual leads to strange effects. The second movement flowed on with its interlaced melodies, and the tempo slowly increased to give a feeling of motion. It ended with a series of pauses, making it seem as though Beethoven was hesitant to end the movement. The Presto was tremendously exciting. It transmitted the impression of skipping, flying, or perhaps riding, with an insistent beat and many changes of key.

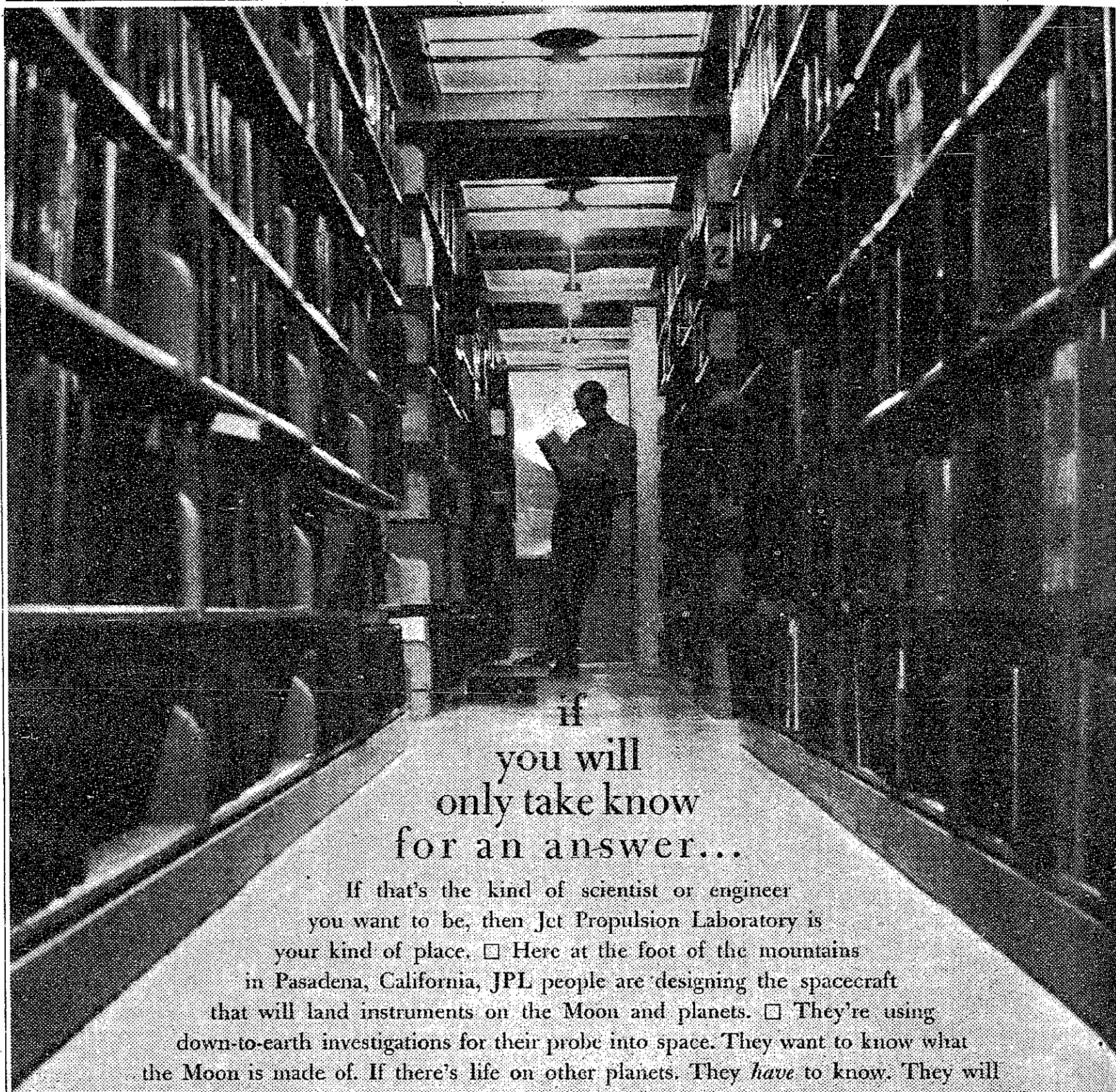
The B flat was a simple piece, but it was played delicately and sounded lovely.

The C sharp minor was the most puzzling piece of the three. It began with a double canon, a

fuguelike form, which set a brooding mood for the piece. The last movement bore this out with an angry, stalking theme that seemed to represent a forward procession, despite many obstacles.

Unfortunately, the loud sections of the quartets did not come out very loud, so there was limited contrast in the performance. This could have been due to the performers, but more likely it is the fault of Kresge's notorious acoustical properties.

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Leonard Sorkin, Violin  
Abram Loft, Violin  
Gerard Stanick, Viola  
George Sopkin, Cello  
**Beethoven Program**  
Quartet in E flat major, Opus 74  
Poco adagio—Allergo  
Adagio ma non troppo  
Presto  
Allegretto con variazioni  
Quartet in B flat major, Opus 18, No. 6  
Allegro con brio  
Adagio ma non troppo  
Scherzo: Allegro  
Adagio—Allegretto quasi allegro  
Quartet in C sharp minor, Opus 131  
Adagio ma non troppo e molto espressivo  
Allegro molto vivace  
Allegro moderato  
Andante ma non troppo e molto cantabile  
Presto  
Adagio quasi un poco andante  
Allegro  
Sunday, November 14, 1965  
3:00 p.m.  
Kresge Auditorium



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## Making the Scene

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### THIS WEEK MUSIC

New England Conservatory—Symphony Orchestra—Frederic Prausnitz, conductor; Nov. 17, 8:30 p.m.; Jordan Hall; admission free. Program: Schubert's Symphony No. 3 in D, Elliot Carter's "Double Concerto," Stravinsky's "Concerto in D for Strings," and Mozart's "Piano Concerto in D," K. 453; Charles Rosen, soloist.

Gardner Museum—Piano, Hiroko Leong; Nov. 18, 3 p.m.; admission free. Bach's Prelude and Fugue F sharp minor; and Mozart's Sonata, B flat major, K. 281.

Boston Symphony Orchestra Open Rehearsal—Nov. 18, 7:30 p.m.; Symphony Hall. Season subscription: \$17.50.

Gilbert and Sullivan Society—'The Yeoman of the Guard'; Nov. 19 and 20, 8:30 p.m.; Kresge Auditorium; reserved seats, \$1.75; for reservations call UN 4-6900, x2910.

The Cantata Singers—A program of Bach; Cambridge Sanders Theatre; Nov. 20, 8:30 p.m.; admission \$1.25; tickets at 1270 Mass Ave., Cambridge.

Folklore Series—Sonny Terry and Brownie McGhee, Rev. Gary Davis, and others; Nov. 20; Jordan Hall; for tickets call HU 2-1827.

Gardner Museum—Oboe, Gary Parks; Bassoon, Richard Vrotney; Piano, Ralph Lockwood; Nov. 20, 3 p.m.; admission free. Geoffrey Bush's 'Trio for oboe, bassoon, and piano,' David Diamond's 'Partita.'

Gardner Museum—Soni Ventorum Wind Quintet; Nov. 21, 3 p.m.; admission free. Haydn's 'Pieces for mechanical organ,' Pijper's 'Trio for flute, clarinet, and bassoon,' Villa-Lobos's 'Quartet for flute, oboe, clarinet, and bassoon,' de Leeuw's 'Antiphony,' for wind quintet and electronic sounds,' Chapel Organ Series—Jack Fischer, Emmanuel Church; Nov. 21, 3 p.m.; MIT Chapel; admission free.

Wind Quintet of Puerto Rico—Soni Ventorum; Nov. 22, 8 p.m.; Student Center; admission free.

### LECTURES

Ford Hall Forum—Max Lerner, 'Can We Win the Future?' Nov. 21, 8 p.m.; Jordan Hall; admission free.

Morris Burs Memorial Lecture—Isaac Bashevis Singer, 'The Kabbala and Modern Man,' Nov. 21, 8 p.m.; Kresge Auditorium; admission free.

Institute of Contemporary Art—Allan Kaprow, 'From Monet to Frank Stella: Aspects of Something-Nothing' Nov. 22, 8 p.m.; New England Life Hall; \$1.50. For information call 262-0600.

Cambridge Center for Adult Education—Antonio Ruiz-Salvador, 'Spain—the Country and Her People' (in Spanish) Nov. 23, 8:30 p.m.; 42 Brattle St., Cambridge; \$9.00. Coffee at 8:15.

### MISCELLANEOUS

Cambridge Center for Adult Education—Experimental film series: 'The Camera as a Pen, Bridge, Funny Bone and Weapon.' Films include 'On the Bowery,' produced and directed by Lionel Rogosin, and 'The Fatal Glass of Beer,' with W. C. Fields, a Mack Sennet Comedy, Nov. 19, 7 and 9 p.m.; 42 Brattle St., Cambridge; \$1.25.

LSC—'Night of the Iguana'; Nov. 20, 5:15, 7:30, and 9:45 p.m.; 26-100; \$5.00.

LSC—'Rebecca'; Nov. 21, 8 p.m.; 10-250; \$5.00.

LSC—'Banana Peel'; Nov. 19, 7 and 9 p.m.; 26-100; \$5.00.

### NEXT WEEK MUSIC

New England Conservatory—Program of piano music by students of Miklos Schwalb; works by Brahms, Chopin, Ravel, Liszt, Bartok, and Henry Moinilcone Nov. 24, 8:30 p.m.; Jordan Hall; admission free.

### LECTURES

Ford Hall Forum—Dr. Henry A. Kissinger, 'A New Approach to International Relations' Nov. 28, 8 p.m.; Jordan Hall; admission free.

Cambridge Center for Adult Education—Priscilla Sawyer Lord, discussion and demonstration on 'Traditions of the Christmas Tree,' Nov. 30, 8:30; 42 Brattle St., Cambridge; \$9.00. Coffee at 8:15.

## movies . . .

# 'The Red Desert' poetic, moving

By Alan Tobey

The world of science, and the world of man; the triumph of technology and the failure of personal morality; a society revelling in the triumph, yet terrified at the failure: these are the landmarks of the desert, the perceived modern society of Michelangelo Antonioni's creation in this overwhelmingly beautiful and revolutionary film. Both an astonishing technical masterpiece and a disturbing social document, 'The Red Desert' is the most exciting film of the last five years.

Giuliana, the core of the film, is played with her accustomed unconscious sensual beauty and conscious mental confusion by Monica Vitti, Antonioni's perpetual heroine. Happily married to an engineer (Carlo de Pra), she lives together with their son in modern industrial Ravenna. Two years ago she attempted suicide, and in spite of prolonged treatment and the kind understanding of her husband, she remains unable to readjust to reality. His colleague (Richard Harris) seems somehow able to shelter her from all her fears, and after an especially urgent crisis, she turns to him for

'The Red Desert'; directed by Michelangelo Antonioni; starring Monica Vitti, Carlo de Pra, and Richard Harris; at the Park Square Cinema.

help. They end up in bed together, but the experience is inconclusive, and although she seems to have found some sort of stability thereafter, we don't know for how long it will last.

The film focuses on Giuliana's neurosis and on the social forces which feed it. Antonioni wrote in 1960, "There is today a serious split between science on the one hand — completely projected toward the future . . . — and on the other hand, a static rigid morality, to which Man, fully aware of his obsolescence, continues to cling." Giuliana is the embodiment of this conflict. Faced with having to live in a complex, hyper-mechanized society where science rules and where both morality and immorality seem equally unsatisfying alternatives, Giuliana in her illness does not even want a reintegration with this society, cannot conceive of being "normal"; her only desire is for escape. But escape in the sense she wishes is of course impossible, for life in society can never be made less complex. The extent to which Giuliana cannot or will not see this, the extent to which she does not want to re-integrate herself with reality, is a measure both of her disturbance and of the tragedy implicit in the film. Antonioni paints a threatening society where even adjustment is mandatory, where even fantasy cannot be allowed to exist. The tragedy is not that of a loss of identity but of a very heightened sense of individual identity in a world which won't allow it.

In an unprecedented tour de force, Antonioni makes Giuliana the visual narrator of the film. What we see is what she sees, and how we see is how she with her disturbed selectivity sees. The visual world of the film is not objective, but dislocated, as is her mind. In one sense it is the complexity of the external world as Giuliana perceives it, laden with

the menacing symbols of modern society, the huge radio masts and the belching flames of factories, which feeds her internal state. More important, however, is the sense in which the external world itself is an extension of the girl's disturbed selectivity. If the film seems to dwell excessively upon fog or sludge or slinking ships, it is not because the world outside her neatly parallels Giuliana's mental state, but rather because this is her perception of the world as it actually is. The desert is her world, even through her eyes, and it is a measure of Antonioni's triumph that the blatant unreality of color and the lingering of the camera upon apparently unjustified images is not a defect but a strong reinforcement of Giuliana's illness.

Antonioni's fascination in rendering beautiful the essentially ugly makes poetry even of decay; he manages to use color itself as the major disturbing element in a total landscape of unsettling strangeness. The film has a visual rhythm and a pattern of image which delights even as it surprises. 'The Red Desert' is a socially important and a movingly beautiful film, and a memorable experience for all who see it.

## Selective Service head to lead discussion group

Lieutenant General Lewis B. Hershey, Director of the U.S. Selective Service System, will be featured in a panel discussion Friday night at 8:30 in Lowell Lecture Hall, near the Harvard Law School.

Since World War II, General Hershey has had to contend with the fluctuating demands of the various armed services, and provocative discussion from the panelists and questions from the audience are anticipated.

Tickets cost \$1 and are available at the Harvard Coop, at the door, or between 2 p.m. and 4 p.m. daily at the Forum Office, 23 Everett Street, Cambridge.

## College World

(Continued from Page 7)

around the gridiron to form the word 'Lolita' and would play 'Thank Heaven for Little Girls.'

"With the remark, 'Using Freud's techniques, the band would suggest that frustrating childhood experience is the reason for excessive drinking at football games,' the band would spell 'mama.' Eyeing the crowd, the

band would then play 'This Could be the Start of Something Big' and spell out 'trauma.'"

### Oedipal mask formed

One routine from the program did remain intact. "The band formed an Oedipal mask. The announcer added: 'After reading Freud, the band has realized that the annual return of alumni to their alma mater is symptomatic of a complex usually associated with a Greek tragic hero.' Concluding the show, the band formed a comic mask and played 'I Want A Girl Just Like the Girl Who Married Dear Old Dad.'"

Not only did Harvard's band lose the script, but the football team lost that day as well.

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# Talking Rock

By Don Davis

It may surprise many pop music fans that Simon and Garfunkle's 'The Sound of Silence,' which has been the biggest song in Boston for some time, has not yet become a nationwide hit. The beautiful folk rock tune, written by Paul Simon to bemoan man's inability to communicate with man, has become a hit only in Orlando (Florida), Atlanta (Georgia), and Boston, and has yet failed to make *Billboard's* Hot 100 list of the nation's top tunes. A more powerful instrumental background has been added to the song since it was first done in a pure folk style on Simon and Garfunkle's 'Wednesday Morning 3 A.M.' album.

It appears that 'Hang on Sloop' is going to go down with 'New Orleans' and 'Twist and Shout' among the most frequently recorded songs on 45's. To date five versions of the rocking drinking song have achieved semi-popularity nationally. The original was done in the spring of 1964 by the vibrations, a Negro rhythm and blues group and called 'My girl Sloop,' but had same basic words as the better known 'Hang on Sloop.'

Last summer two versions became big hits; the McCloys, a previously unknown Indiana rock group, hit number one nationally with their version, while Little Caesar and the Consuls, a Canadian group, did a version similar to that of the Vibrations, a slower blues-type song called 'My Girl Sloop.' The latter was the bigger hit of the two in such western cities as Seattle and San Francisco. Climbing up the charts now are the answer song 'Sloop's Gonna Hang On' by the Debs and the instrumental 'Hang on Sloop' by jazz pianist Ramsey Lewis and the Trio.

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## music at mit...

# Wizardry of Jean Pierre Rampal

By Jerrold Levinson

A full house greeted Jean-Pierre Rampal, flute, and Robert Veyron-Lacroix, keyboard, Monday night, November 8 in Kresge Auditorium. The recital, one of the most eagerly awaited events of the musical season here, was presented by Baton Society, the music honorary created to promote interest in musical activities at the Institute. Let us hope for more of the same on the part of this or other organizations in the way of bringing musical performers of the highest caliber to M.I.T.

The team of Rampal / Veyron-Lacroix, which has existed since 1946, certainly falls in this category. As was amply demonstrated Monday night, each performer is a virtuoso in his own right and, together, they are a flawless combination, the like of which inclines one to reflect whether they are not, for the moment, one entity. It is not enough to say that the performers played with technical excellence, which they undoubtedly did. Rampal endows his instrument with a brilliant and sensitive character in addition to such technical virtues as faultless breath control and phrasing which even flutists will admire. He gives a sincere and heartfelt interpretation of a score, which is quite apparent just from watching his motion on the stage. Likewise, Veyron-Lacroix, whether at the piano or the harpsichord, accompanies his partner with an understanding greater than virtuosity. The total effect was one of sublime beauty, preferably heard than read about.

The program was, as is usual practice with the duo, a varied one, comprised of pieces both contemporary and classical. The piano was employed in the twentieth-century compositions, and the harpsichord, which was produced by a Cambridge craftsman, was used in the older works. The opening piece was the Sonata in F minor of Telemann, originally scored for bassoon/recorder. The sonata was representative of

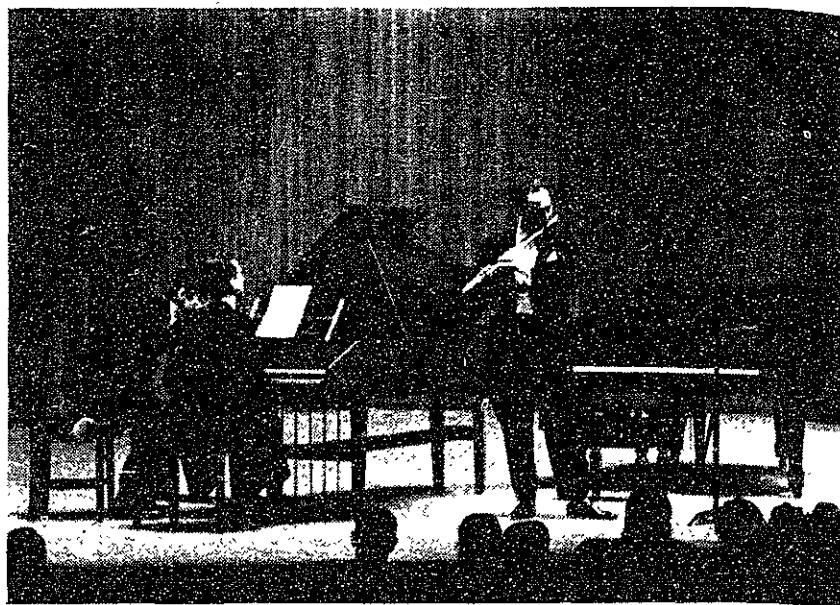


Photo by Desmond Booth

Accompanied by the virtuoso pianist and harpsichordist Robert Veyron-Lacroix, Jean Pierre Rampal performs for a full house in Kresge Auditorium. The team has been together for eighteen years.

early baroque style at its best, and was somewhat exceptional for the order of movements, which was slow-fast-slow-fast.

The two Mozart sonatas which followed, in B major (K. 15) and C major (K. 14) were, perhaps, the most obscure works performed. They were both charming, though somewhat naive (they were composed at the mature age of eight); the C major I thought possessed more felicitous thematic material. The Suite in C minor, by J. S. Bach, was, perhaps, more familiar to the audience. It seemed particularly apparent to me during the fugue section of this work how well coordinated the harpsichordist was with his partner, each note being perfectly timed and proportioned to balance those of the flute.

After intermission, the Sonata (1958) of Poulenc was heard, and with the Bartok composition that followed was the most warmly received piece of the evening. Impressionistic in character, the piece possessed an intense beauty hard to describe in words, and a pervading mood which made its

presence felt by the listener. The sonata was marked by greater emphasis than in the preceding works on the keyboard for which there were several vigorously inspired episodes. The concluding work was the Suite Paysanne Hongroise of Bartok, the last section of which ("Vielles danses") was characterized by lively Hungarian themes, the remainder of the piece hardly lacking in melodic charm, though.

Audience response to the concert was so affirmative (including standing ovations) that the performers were recalled for three encores. These were, in order, a selection from 'Le Tombeau de Couperin,' by Ravel, 'Entracte' by Ibert, and the Andante from the well-known Sonata in E minor by J. S. Bach.

It is a great satisfaction to me, I think, that we are able to bring to the Institute, musical performers of such lofty status in their fields as those who delighted us on Monday night (or as another example, the Fine Arts Quartet which was here November 14). Let us hope they will return.

## music...

# Film Society shows ten new reels

By Mildred Hastbacka

The MIT Film Society presented a program of ten experimental film, Mondays November 8, in room 54-100. The first shown was 'N.U.' by Michelangelo Antonioni. Although the film was quite unimaginative, it was by far the most realistic of the films. Of 1948 vintage, 'N.U.' sought to emphasize the everyday life of street cleaners—their environment, their work, and their personal lives. The film has been criticized for merely reflecting social conditions of the time rather than expounding Antonioni's own viewpoint. Although this argument is justified, it is not a reasonable basis for any major criticism of 'N.U.' Indeed, its documentary

qualities are based on its general social implications.

The next film screened was 'Search for Icarus.' Its creator, Mike Mideke, intended it to be an exposition of "... an individual's reaction upon finding himself removed from other human beings; his intuition of the mysterious and fearful qualities of the forest, which drive him to the point of inventing religion." If this exposition was his purpose, then Mr. Mideke achieved his goal. The entire film created a feeling of insecurity, confusion, anticipation, and, at times, panic. 'Cosmic Ray' by Bruce Conner was a boisterously fast paced conglomeration of sound effects, light effects, and scene changes. If the applause was any indication of its worth, 'Cosmic Ray' deserves an 'A.' Those who did not approve, however, are to be commended for their sense of propriety.

The next film was 'H and R' by Toni Siani. Mr. Siani painted directly on clear tape. The effect was like that of a silent tornado in an abstract art gallery. Although it was of necessity rather disorganized, 'H and R' was an experience in moving color and texture. The following four films were creations of Robert Breer. In 'Blazes' Breer made interesting use and repetition of color. 'Recreation' was similarly done, and both films were extremely rapid-moving. 'Inner and Outer Space' could be compared to a moving, wordless comic strip in which shapes smoothly transformed themselves and blended into others. 'Horse over Teakettle,' the most entertaining of all the films, was quite modern in its approach with references to the atom bomb and the pressure of time.

'Dog Star Man: Prelude' and 'Dog Star Man: Part II,' both by Brakhage, were the favorites of the audience. Quite preoccupied with nature and with life, Brakhage concentrated on showing mountains, rocks, physical organs, and forests. The scenes were not ordinary, for each frame had Brakhage's personality and viewpoint unmistakably stamped on it. Some scenes were superimposed upon others, others were covered with lines or dots, and others were out of focus. If any theme or central idea was supposed to be present, however, it was difficult to determine from the rather confused presentation.

Films such as the ones shown by the Film Society are definitely a new, if not unconventional mode of expression. For the most part, the audience received Monday night's showings well, but there is still much to be desired before such films can be recognized as a legitimate art form.

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# Drama . . .

## A glimpse at occupied France

By Jeff Stokes

The Theatre Company of Boston, whose superior insight and incredible technique have rescued many a misunderstood play from unfair obscurity, may have placed too much confidence in Gertrude Stein's 'Yes Is For a Very Young Man.' While the play has tremendous romantic appeal and makes use of a powerful cast, the confusion of themes calls the ultimate worth of the play into question. Half the enjoyment of a play derives from the sense of discovery that it produces, but in 'Yes Is For a Very Young Man' we find our curiosity frustrated and put to sleep.

Is the aim of the play solely to make us understand how the French felt during the German occupation of 1940-1944? No, there is a little more to the play than its epic quality: we have the affair of the principal lovers, Ferdinand and Constance, to contend with. Ferdinand, the young Frenchman, is 'just beginning,' and he can only say 'yes,' while for the older American woman, Constance, everything is coming to an end and her conditioned response to the world is 'no.'

By the power of his Frenchness, however, he revives the yes in

### Bill Brody awarded Rotary Fellowship

William Ralph Brody '65 has been awarded a Rotary Foundation Fellowship for study in England during the 1966-67 academic year.

Brody, who is currently enrolled in Course VI graduate school, received his degree in electrical engineering. During his early years at Tech, he served as captain of the swimming team and president of his fraternity, Delta Upsilon.

Begun in 1947, the Rotary Foundation Fellowship program is part of the world-wide Rotary effort to further understanding and friendly relations between peoples of different nations.

**'YES IS FOR A VERY YOUNG MAN,'** by Gertrude Stein; directed by David Wheeler; set by Robert Allen. Cast: Lisa Richards as Denise, Burris De Benning as Ferdinand, Paul Benedict as Henry, Bronia Stefan as Constance, and Mark Epstein as Georges. Now playing at the Theatre Company of Boston, 200 Tremont Street, Boston.

her, in a courtship scene as poetic and original as any that has crossed the Theatre Company's stage. But in the end the overlap of their lives proves impossible, because Ferdinand is eternally leaving at the behest of duty. 'I have to disappear,' he says. 'I don't understand,' replies she.

And so halfway through we begin to look for a metaphor of their affair in the historical setting of the play. But in the disorder of rural occupied France, where nobody can trust his neighbor or even his brother-in-law, we get lost. Miss Stein finds all kinds of ways to complicate the picture: echoes of the issues that led to French Revolution are cleverly woven into the play, the nationalistic theme is mixed up and rendered absurd, and all of the on-stage characters are entangled in a curious but typically French sentimental web of affection. The poetry itself, making effective use of the modern technique of dogged repetition, adds to the atmosphere of confusion. In this not always delightful chaos it is almost impossible to see the pattern of Ferdinand's relationship to Constance: the end of the old overlapping the beginning of the new.

On the other hand Miss Stein may have intended this evasiveness of final meaning to emphasize the political chaos of wartime France. Perhaps we should turn our attention toward her efforts to define, for Americans, the French national character. (Says the Frenchman Ferdinand: "I will not obey, and I am a lover.") rather than look for universal truths or international metaphors in the love affair.

Thus Denise, Henry, Georges, Ferdinand, and even the American abroad, Constance, become moral types who have blended and rebled with each other to form the composite French per-

sonality. The poetry itself becomes an expression of a kind of innate stubbornness and resistance. Looking at the play in this way gives it just enough unity to satisfy us. But this unity does not seem to lie at as deep a level as we are used to finding at the Theatre Company of Boston.

But one should go and try this play for himself. A powerful cast makes the show enjoyable beyond what cloudiness of meaning may detract. Performing for the first time this season is the marvellous Bronia Stefan, whose appearance has added much to at least ten previous Company productions. Her part was made difficult by the necessity to stand out as an American stereotype in a cast of American actors. Not that the others were corny or fake in their efforts to be French—Lisa Richards, as Denise, was just French enough to make us forget that she was British in John Mortimer's 'The Lunch Hour,' and the rest of them used just enough nasal n's to convince us that they were French. Burris De Benning's poetic forcefulness made an affectations French accent unnecessary anyway, and the same may be said of Paul Benedict, whose personal magnetism as an actor is so great that he influences the part more than the part him. All of these actors have made noteworthy if not also frequent contributions to past Theatre Company productions. Mark Epstein, who joined the Company this year as resident actor and movement coach, performed last month in Samuel Beckett's 'Act Without Words I.' The actors made the best they could of Miss Stein's work, and if the play seems to lose its intellectual appeal at points the fault lies in the text itself.

'Yes Is For a Very Young Man' will run until December 5, and will be followed by Shakespeare's 'Measure for Measure,' which opens the ninth.



**THEATRES**  
Charles—'Poor Bittos,' Tues. thru Fri. 8:30; Sat. 5:30, 9:00; Sun. 7:30.  
Shubert—'La Grosse Valse,' Mon. thru Sat. 8:30; Wed. mat. 2:15; Sat. mat. 2:30.  
Theatre Co. of Boston—'Yes is for a Very Young Man,' Tues. thru Fri. 8:30; Sat. 6:00, 9:30; Sun. 5:00, 8:30.



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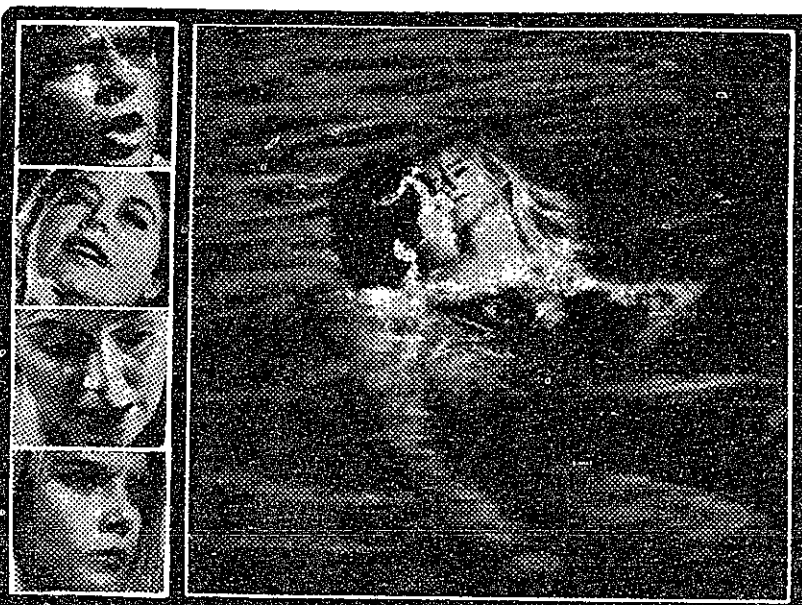
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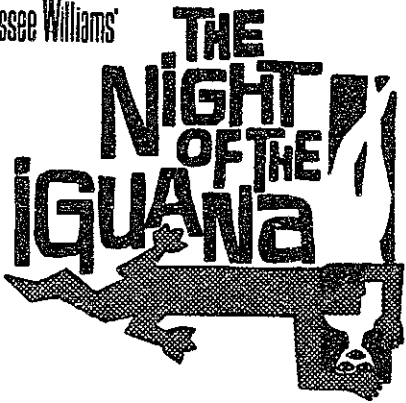
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## Rocket Society develops solid fuel; History of 'Yeoman' hopes to test actual performance

By Stewart Blickman  
The MIT Rocket Research Society is a small group of students, both graduate and undergraduate, dedicated to serious study in the field of rocketry. At present they are working with a solid fuel of polyurethane base, which to the best of their knowledge is comparable to the fuels used by the government.

The fuel dries into a blue rubbery substance which may be safely molded or machined to the proper shape. It also has the advantage of maintaining its relatively low burning rate even at pressures of 600psi. The discovery and original research is credited to Frank Kosden '63, a physics major and member of the society. This achievement gained him the

Chrysler Award for outstanding work in rocketry in 1961 and 1962.

This year the society hopes to send a rocket several miles high with some sort of tracking device from which they can learn the height and the burnout velocity. Only in this way will they be able to compare theoretical to actual performance.

Such plans will be delayed, however, until the problems with the society's thrust stand have been ironed out. Also, it seems to be extremely difficult for an amateur to get clearance for a shot of this height. Fisher's Island in Long Island Sound has been offered as a possibility but does not seem to be working out.

(Please turn to page 16)

## G&S Society in its third year

By Dan Asimov  
'Yeoman of the Guard' was Gilbert and Sullivan's only tragedy.

During the late 1800's the pair wrote numerous comic operettas to be performed by the D'Oyly Carte Opera Company in England. They were highly regarded by theater-goers — as well as by themselves. Gilbert wrote the words and Sullivan the music; each thought his contribution was the most important, and this caused constant bickering between them.

### 'Yeoman' written

It had been several years since their last show when the pair was asked to write another by D'Oyly Carte. Sullivan was — at first — indifferent, but when he saw Gilbert's draft of 'The Yeoman of the Guard, or the Merryman and His Maid,' he, too, became enthusiastic. In six weeks, the music was written and, two days later, the show opened. It was an immediate success, enjoying one of the longest runs of any Gilbert and Sullivan operetta.

### Tech Show first

After 'Yeoman' Gilbert and Sullivan wrote only three more shows, only one of them well known nowadays. Their last collaboration, 'Grand Duke,' was given its first American performance at Tech Show, 1901. Since then, the words and music to 'Grand Duke' have completely disappeared — there is not one complete copy anywhere.

Plot of 'Yeoman' very involved  
'Yeoman of the Guard' has a plot that is unusually complicated for a Gilbert and Sullivan operet-



A pair of travelling jesters, lately come to town, rehearse their act. Kneeling with gown fanning out in all directions is Elsie, played by June Cooperstein, and bending over her is her fiance Jack Point, played by Ron Mallis.

ta. Dashing Colonel Fairfax has been unjustly imprisoned and sentenced to die, because a politically powerful cousin of his is plotting to receive his inheritance. Fairfax wants to get married before he dies so the cousin won't get the money. Lt. Cholomendley thus seeks out a wife for him, and comes up with Elsie, a jester. She and Fairfax are married — blindfolded.

Meanwhile, Sgt. Merryl and his daughter, Phoebe, succeed in springing Fairfax from his cell. To escape the law, he then lives with Merryl as his son, Leonard Merryl. Elsie's fiancee, Jack Point, desiring to marry her at last, fabricates the news that Fairfax is dead. Elsie, meanwhile, has fallen in love with Leonard Merryl, not realizing that she is already married to him as Fairfax. Just then, Fairfax's deserved reprieve comes through and, as Fairfax, he faces Elsie with the news that he is Leonard, and they live happily ever after. Realizing he cannot have Elsie, Jack Point dies of a broken heart.

### MIT G & S Society formed

Back in 1960, frosh Doug McCowan decided that MIT needed a Gilbert and Sullivan Society. He built support with Norm Kaderlan, Martin Landy and Bob Goldstein until April 1964, when the Society put on its first program — excerpts from 'The Sorcerer' and 'Iolanthe.' In fall of

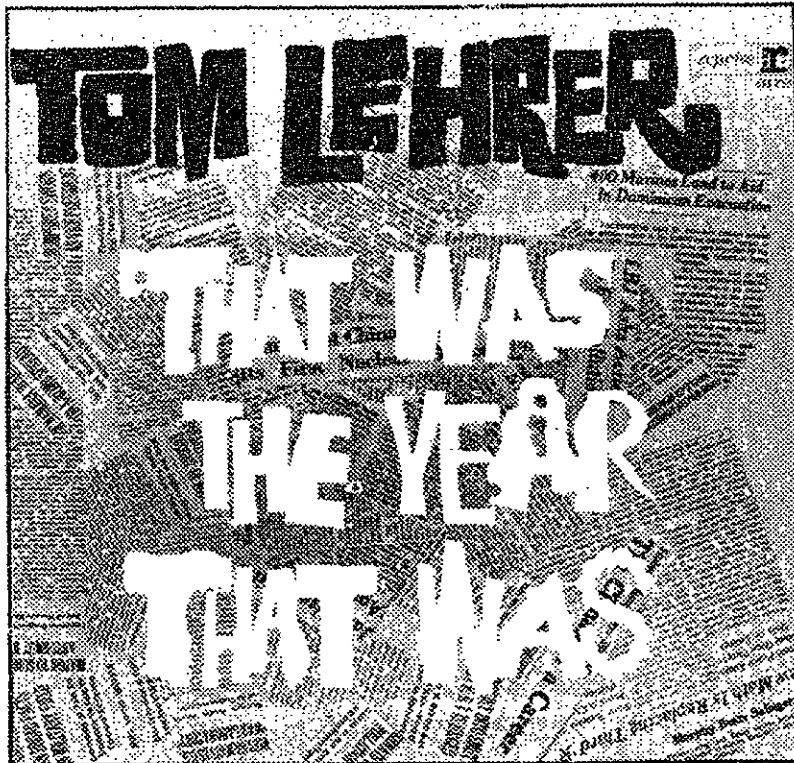
last year, the Society presented its first complete operetta, 'HMS Pinafore.' Humanities instructor Steve Gilborn decided to join the group as its sorely needed director. Then, last spring, the Society put on 'Patience' in the Hayden Library Courtyard. The performances were sold out completely, but due to heavy costs, the Society sustained a large loss.

Steve Gilborn is also the director of 'Yeoman of the Guard,' to be presented both Friday and Saturday evenings in Kresge Auditorium at 8:30. Don't miss it.



Jack Point, who is really MIT's Ron Mallis in disguise, contemplates a jester's bauble.

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# 'Yeoman of the Guard' at Kresge

By Martin Landy

With 'Yeoman of the Guard,' to be presented Friday and Saturday in Kresge, at 8:30 pm, the MIT Gilbert and Sullivan Society enters its third year of activity.

From the initial production, excerpts from 'Iolanthe' and 'The Sorcerer' in the Spring of 1964, through 'HMS Pinafore' and an award-winning outdoor presentation of 'Patience' last spring, it has built itself a reputation of untold excellence. In a more serious vein, the Society tries to provide high quality musical performances for the MIT community. While doing the shows requires time and hard work, the Society feels rewarded by the social life it has as a group, the fun of performances (and rehearsals), and naturally the applause as the curtain is rung down.

The Society has a second phalanx—the MIT Classical Musical Society—which annually puts on a Broadway musical during the summer. Last summer, for its first offer, it did 'Guys and Dolls.'

This term the Society is again directed by Steve Gilborn, an instructor in the Humanities Department who should be in Math. Working approximately 30 hours a day trying to keep up with three 21.01 sections, the show, and washing dishes, Steve has put forth an image of W. S. Gilbert (Jack Point) protesting a society (The Crowd) which would mock and consume him. The result is known to aficionados, but you may be let in on it, this Friday or Saturday. Assisting Steve are Nancy Fitch, a director and/or choreographer cum techretary held over from 'Guys and Dolls' by popular demand, and Mickey Rainier, leader of the Egbert winning Burtones, veteran of the Logarithms and three terms our lead tenor, who is Musical Director.

The cast is multivariate—students, staff and techretaries as leads and chorus alike. Elsie, companion and fiancée of Jack Point, is played by June Cooperstein (BU). Experienced in Shakespeare and opera, June uses all her talents as she is transformed from a winsome player to a married woman fed into the maw of the Tower. Ellen Stevens, a techretary, sings Phoebe, a girl who sacrifices love to duty. Coming from BU, Ellen has played lead roles in several shows ranging from 'Kismet' to 'The King and I,' and will be remembered for her performance as Patience. Dame Carruthers, the archetypal G&S heavy alto, is taken by Martha Reardon, who played Shakespeare (we are properly British, you know) at Wellesley and is a member of the Handel and Haydn Society. This is her first MIT performance.

Of the men, there is Ron Mallis, playing Jack Point, Norm Rubin '66 as Col. Fairfax, Herb Meily, of Lincoln Lab, as a cynical Sargent Merryl, Henry Goldberg '68 as Wilfred, and Rick Rudy '68 as the Lieutenant.

Ron, another holdover from 'Guys and Dolls,' has played at Cornell, with Dramashop here, and with the Boston Opera Group. As Point, he is Gilbert's one tragic figure, perhaps Gilbert's self-image. Col. Fairfax is the romantic lead, wooing and winning Elsie, and escaping the domination of the Tower as few manage to do. Norm is a veteran of Tech



Jack Point attempts in vain to recover Elsie, who has defected to Fairfax. A jealous Phoebe hangs on Fairfax's left arm. Phoebe is played by Ellen Stevens and Fairfax by Norm Rubin.

Show (twice), 'Guys and Dolls,' and the Glee Club, and was just inducted into the Logarithms. Herb's experience, previous to 'Guys and Dolls,' was limited to MIT's Choral Society and similar groups. Nevertheless, he comes through as both a serious and a comic figure. Henry was drafted last year for Patience, and as Wilfred, Head Gaoler and Assistant Tormentor at Cold Harbor Tower, he aspires to the higher post of jester—no doubt specializing in death row humor. Rick also appeared in 'Guys and Dolls' and is librarian of the Glee Club.

Another "star" of the show is Bruce West, set designer and lighting consultant for the show. Bruce's experience over the last ten years extends from Antioch to Hahvahd, and, this summer, 'Guys and Dolls.' The set, from the grim Tower to the gay Tudor houses, is a masterpiece, and, as his friends keep telling him, the finest ever seen in Kresge.

This week's performances will be the end result of two months' preparation. Everybody connected with the show, both on stage and off invites you to come. As this is being written, tickets for reserved seats are available for both evenings at the Society's booth in building 10, or can be obtained by calling x2910. Bring a friend, and if you want to get a taste of what you will be seeing on stage, tune in WHDH-TV (Channel 5) today at 6 p.m., where in 'Dateline Boston' the Society will present excerpts of the show, and an interview with the Director.



June Cooperstein, from Boston University, will sing Elsie, companion and fiancée of Jack Point.

preparation. Everybody connected with the show, both on stage and off invites you to come. As this is being written, tickets for reserved seats are available for both evenings at the Society's booth in building 10, or can be obtained by calling x2910. Bring a friend, and if you want to get a taste of what you will be seeing on stage, tune in WHDH-TV (Channel 5) today at 6 p.m., where in 'Dateline Boston' the Society will present excerpts of the show, and an interview with the Director.

## CLASSIFIED ADS

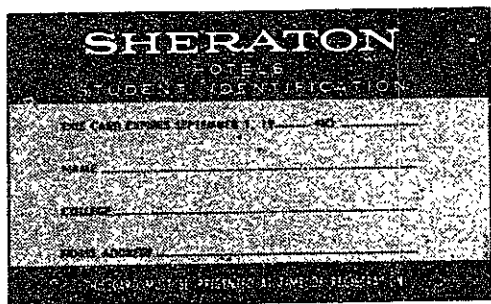
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## 'Needed Improvements in Security' topic of speech presented to SSRS

By Gene Landy

"Present security system regulations cause many scientists to withdraw from active public life for fear of loss of clearance," declared Joseph A. Fanelli in a speech presented before the Society for Social Responsibility in Science (SSRS).

His speech, entitled "Needed Improvements in Federal Security for the Protection of Individual Scientists and Engineers," was a general indictment of the Federal Security System as it is now structured. Fanelli, however, did not advocate the abolishment of the system, but rather some necessary improvements.

### Waste of resources

Among his criticisms of the present system, Fanelli concluded that field investigations needlessly waste the resources of Federal investigating agencies. Intimate secrets about individuals must be brought up and recorded. The regulations restrict free flow of ideas and impede progress in science.

The most important change advocated by Fanelli is that the association criterion be dropped. In investigations for security clearance, a scientist who is a friend of a known Communist or has

been to the home of a suspected subversive may be denied clearance, even though he himself is not a member of any movement. The criterion of association leads many individual scientists to withdraw into a cloak of conformity, to play it safe, and to stay out of trouble.

### Change proposed

Another change in Federal Security that Fanelli would like to see is the abolishment of the complex "Need-to-Know" rules. These are restrictions on the discussion of classified projects. Presently, even if two scientists have Top Security clearance, they might not be able to discuss a problem in science simply because of some technicality in the catalog-sized book of "Need-to-Know" rules.

The flow of knowledge is slowed considerably by the tedious repetition required by the system. "Guard secrets strictly," Fanelli stated, "and you have less and less to guard."

### Clearance to almost all

Fanelli suggests that there be only one degree of clearance, given to all who were not immediately disqualified. Clearance

(Please turn to Page 15)

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## SSC's newest

# Roxbury Tutoring "successful"

By Jim Smith

The Social Service Committee's newest project, the Roxbury Tutoring Project, is definitely a success, according to project chairman Michael Schaffer, an MIT graduate student. The project, which was a joint effort with the Tech Catholic Club and St. Joseph's parish in Roxbury, has attracted many clubs and volunteers from other colleges and promises to be as successful as Tutoring Plus, a similar but older project of the SSC in Cambridge.

The only major problems facing the project, according to its chairman, are overcrowding the tutor-

ing facilities with the 73 tutors and an equal number of tutees, and transportation. It is hoped that other school facilities will be made available soon in answer to the former problem, and Finboard is presently considering solutions to the second.

Otherwise, the project is shaping up just about as well as originally planned. Of the 73 tutors in the project, only 26 are from MIT, the rest being from social service groups at other colleges, including participants from the Newman Club at Simmons, 34 social volunteers from Emmanuel, and a few from Wheelock and Garland. In this way, the plans of the Tech Catholic Club to make the project as broadly-based as possible, have been fulfilled.

Despite the problem of more tutees than tutors to teach them, until larger facilities are obtained it remains unfeasible for the SSC to recruit more tutors except on a substitute basis. Of the present tutors, there are only about 10 veteran tutors, and only about 50% have done social work before, according to Chairman Schaffer.

For the present, the program is also being limited by the age of the tutees. With only a few exceptions, the tutees are junior high school children drawn from Timilty school, Lewis school, and the 7th and 8th grades of St. Joseph's parish school.

The tutoring sessions are presently 1½ hours long, and are held Wednesday evenings in the parish classrooms. The sessions are followed by a recreational and dancing period, intended to bring the tutors and tutees closer together as a group, but according to Mike Schaffer this has been of only moderate success so far.

Other attempts at establishing good tutor-tutee relations include possible field trips in the near future and a tutoring session tonight to which the parents have been invited.

Finances remain a problem, but not a serious one. The Lewis school has pledged materials to the program, and last Wednesday night in Ashdown House the Project held a fund-raising party which netted \$40, chiefly to help pay for a bus to transport the tutees.

## The Bulletin Board . . .

(Continued from Page 8)

1:30 pm—MIT Bridge Club meeting. Walker Memorial, The Blue Room.

1:30 pm—MIT Chess Club meeting. Student Center, Mezzanine Game Room.

1:30 pm—Swim Clinic Lecture: Psychology of Coaching Swimming. Speaker: Coach Brooks of Harvard. MIT Pool.

2:30 pm—Swim Clinic Lecture: Technique of Swimming. MIT Pool.

3:00 pm—MIT Film Society: Open Screening. All films welcome. Admission: 25c per person. Room 54-100.

3:30 pm—Swimming Clinic Workshops and Discussion Groups. The Student Center.

5:15 pm—L.S.C. Movie: Night of the Iguana. Admission: 50c per person. Room 26-100.

6:00 pm—Boat Club Steak Fry. The Boat House.

7:00 pm—Aqua Capers '65: The best professional divers performing fancy diving, clown diving, Tower diving, and trampoline. Also featuring the Wellesley Water Ballet and MIT Logarithms. Admission: \$1.50. MIT Alumni Pool.

7:30 pm—L.S.C. Movie.

8:30 pm—The Yeomen of the Guard, presented by the Gilbert & Sullivan Society. Admission:

\$1.75 per person. Kresge Auditorium.

9:00 pm—Aqua Capers '65. Admission: \$1.75. MIT Alumni Pool.

9:45 pm—L.S.C. Movie.

Sunday, November 21

9:15 am—Roman Catholic Mass. MIT Chapel.

10:00 am—Tech Catholic Club: Coffee Hour. Student Center, East Lounge (Level 3).

10:00 am—Swim Clinic: All Phases of Diving. MIT Alumni Pool.

11:00 am—Protestant Worship Service. MIT Chapel.

12:00 noon—Protestant Coffee Hour. Student Center, East Lounge (Level 3).

12:00 noon—Swim Clinic: Discussion of Diving. MIT Alumni Pool.

12:15 pm—Roman Catholic Mass. MIT Chapel.

1:00 pm—T.C.A. Band Auditions. All social chairmen welcome. Kresge Auditorium.

1:30 pm—MIT Chess Club meeting. Student Center, Mezzanine Game Room.

3:00 pm—Organ Recital: Jack Fisher. Admission: free. MIT Chapel.

4:15 pm—Roman Catholic Mass. MIT Chapel.

6:30 pm—MIT Concert Jazz Band. Kresge Auditorium.

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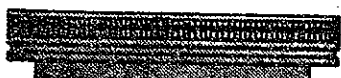
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# Clearance should be granted to almost all; permit everyone to discuss classified info

(Continued from Page 13)

would be withheld from avowed Communists and those who are "obviously irresponsible." After clearance is granted, the individual worker would be judged solely on the basis of his performance of his job; not by his past, his friends, or the organizations he joined. Fanelli believes that anyone with clearance should then be allowed to talk to any other cleared person about any classified project.

Fanelli served as a Federal lawyer during the Depression and the second World War. In private

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**"The Urban Challenge"**

**Conference to study urban problem**

By Bill Pecora

"The Urban Challenge" will be the title of a four-day MIT conference to be held starting on April 13, 1966. This conference will use an interdisciplinary approach (political, architectural, social, etc.) to urban problems.

For purposes of the conference, the problems have been divided into three areas: Urban Renewal, Transportation, and the Future Metropolis. In each area there will first be public addresses or a discussion by a panel of outstanding men in that field. Afterwards, the student delegates will split up into 12-man groups to discuss that subject area.

**Situation urgent**

In the field of urban renewal there is a note of urgency to be struck. The physical elements of our cities — the buildings, the streets, etc. — were built to be relatively permanent. Thus we still employ physical facilities constructed for other generations.

However, because of new technology and new social mores, our life-style is becoming transformed into something quite different from the life-styles of past generations, and this transformation is

occurring at an alarmingly accelerating rate. A rational urban renewal program will have to begin soon if it is to curb this growth of friction between our physical environment and our life-style.

**Problems indicated**

However, neither the costs nor benefits of urban renewal have been adequately evaluated, and at this time it is only possible to indicate some of the unanswered questions. A major question is with the problems and resources available, what kinds of goals are feasible? To date, renewal efforts have been guided more by emotional defenses of past spatial arrangements and less by rational analysis. A second question would be, goals for whom? Certain segments of our population (notably, the poor) have suffered because of urban renewal programs aimed at benefitting "the whole society." Does this sort of renewal fit in with our democratic society?

**Transportation complex**

The American transportation problem is an extremely complex situation. To plan and control a transportation system, the planner must consider two problems: 1) the definition of the tasks and re-

quirements of the system, and 2) the division of a socially acceptable and economically feasible means of achieving these objectives.

Today the automobile is the most socially acceptable means of transport, but it is clear that the magnitude of traffic problems in the cities has made it unfeasible, at least in the urban environment. Some planners are eager to do away with the automobile in these areas replacing it with large public transportation networks. The nature of the debate between these men and their opponents will be apparent at the conference.

**High-speed travel studied**

The other task of the conference will be to explore the new ideas for high-speed travel over long distances. Work done at MIT on Project Transport is a good example of this type of planning. With these two transport problems as case studies and the speakers to present ideas and create dissent, it is hoped to probe at the nature of a transportation system as a whole and the part it plays in stimulation

(Please turn to Page 16)

Today, U.S. Rubber is involved in many fields including atomic research, oceanography and space research. One of our representatives will be visiting your school soon. Check with your placement office for the exact date and time.





## Graduate coeds form new organization to provide center for common activities

By Sue Downs

Under the leadership of Chokyun Rya, a new organization for graduate women students was recently formed.

For over one hundred fifty women graduates at MIT, the Association of Women Students was the only previous form of representation. However, because of differences in academic, social and environmental matters between the graduate and undergraduate women, it was felt that it would be beneficial for the graduate women to have their own organization.

The purpose of this organization will be to help all its members in

all areas of MIT affairs, making it easier to sponsor cultural, social, and political activities. Most important, through this organization the women can obtain help from each other whenever the need exists.

Projects now under consideration are sponsoring seminars, lectures, a clothing and book exchange, a clearing house on jobs, formal teas, luncheons, a formal ball, and adding a section for women students in the Graduate Student Manual.

Officers were elected at an organizational meeting October 21. They are Chokyun Rha, course XX, president; Ruth Nelson, course

XVIII, vice president; Reggie Elbenger, course XV, Treasurer; and Andrea Allen, philosophy, Secretary.

## Rocket Society sells surplus to raise funds

(Continued from Page 12)

Thirdly, there is a chronic fund shortage. However, the society has obtained some materials for nothing. Occasionally, a surplus of several materials develops; at such times a sale of items such

as dewer flasks, large pieces of graphite, radar sets, and other such extraneous but valuable objects is held.

Anyone interested in the society should contact the president, Leonard Silver '66 at x3797.

## \$20,000 budget, 200 national delegates; "The Future Metropolis" to study basic ideas

(Continued from Page 15)

and modifying urban development.

The last area in the conference, "The Future Metropolis," will strongly emphasize values. It will discuss the implications of structural and functional alterations in the physical environment of the city for the life style, the ideals, and the happiness of the man of the future. The city will be treated as an historical phenomenon, with stress being placed upon its impact on human experience, its place in Western civilization, and its potential as a future utopia.

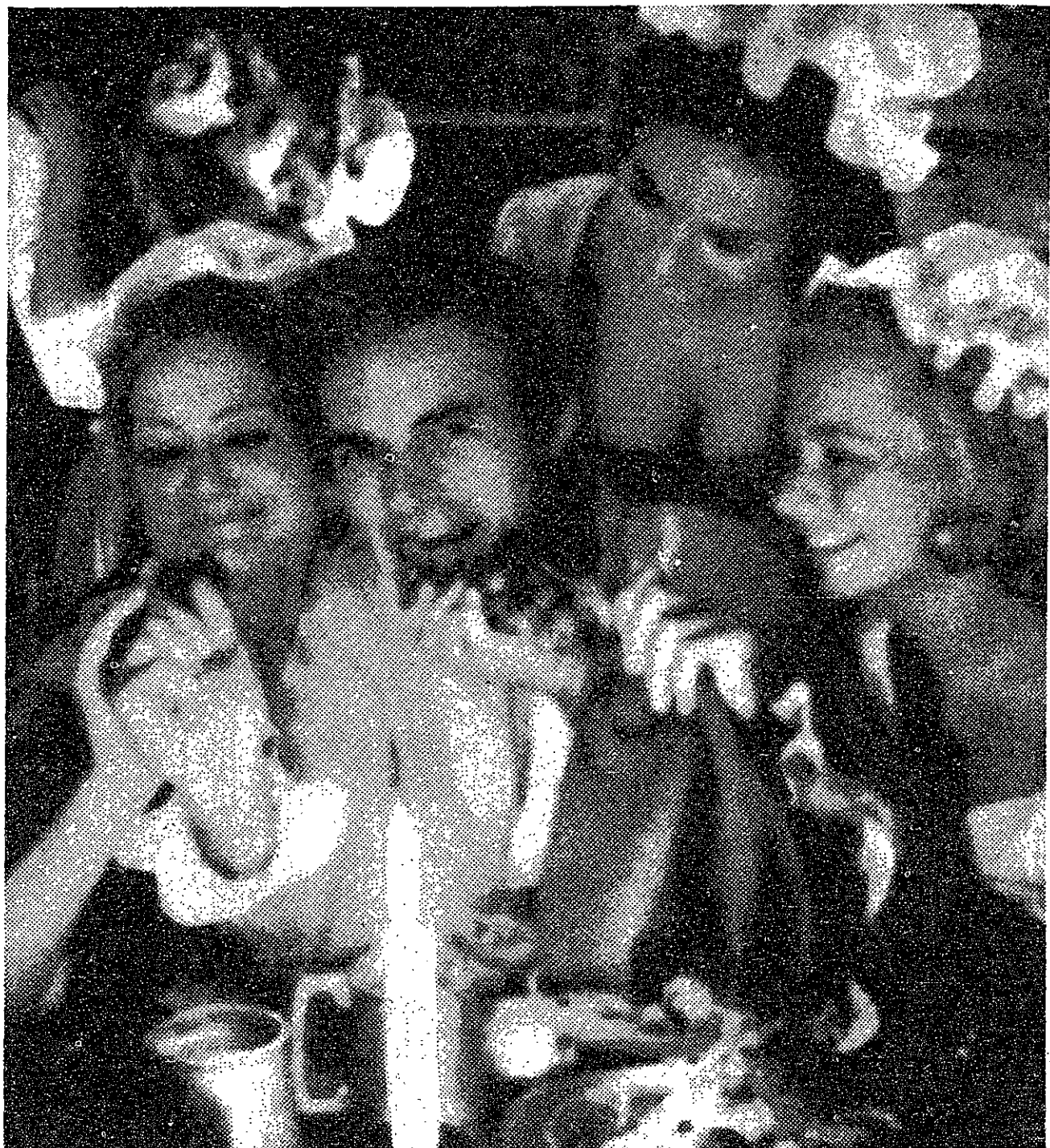
"The Future Metropolis" should give the participants a value-laden, no doubt controversial, humanitarian view of urban institutions. It will ask seemingly simple, but basic questions such as: What is a city? What has the city meant for human development? What can man be like? What should be the form and nature of the future metropolis? How are the city and man of the future related? How does one balance planning against giving freedom of choice to future generations? In this area, as in the other two, there are no obvious answers; the

offering is stimulation, not solution.

### Personally relevant

What have you as an MIT student to do with such problems? If your future work involves new forms of communication or transportation, if your ideas help to lengthen or increase leisure time, then you will personally have an impact on our future society. Conversely, urban problems are issues which will decidedly influence your future.

With a \$20,000 budget and with 200 delegates of a nation-wide distribution, there is a lot of planning to be done, according to Committee Chairman Dave Mundel '66. One section of the committee is working on the subject areas themselves. Students will be needed to moderate the small delegate discussion groups at the conference and to record the discussions (if interested contact Terry Vander Werff '66 (x3204) or Bill Pecora '66 (x3214). Physical arrangements (Jim Sweeney '66 x2955) and Publicity (Jurgen Hahn '66 x3206) also have room for interested students.



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## Fencing squad displays depth, spirit, ability; Varsity, coed teams look to winning seasons

By Bob Sultan

Captain Tom Seddon '66 sees a winning season in the works for the Tech fencing squad, coached by "Maestro" Salvio Vitale. Tom's optimism is based on the team's depth in each of the three weapons. Some of the people providing this depth are George Churionoff '67, who won last year's New England foils championship; Karl Kuntz '66, who placed second in epee in the New England championships; and Bob Brooks '67, who took second in the Amateur Fencing League of America championships.

The real strength of the team will probably lie in foils and epee, which have had the largest turnout of fencers. While numbers are lacking in the saber squad, practices have shown that the skill is there.

Turnouts for practices and

weekly round robins have been unusually good. High team spirit and much enthusiasm have been in evidence. Tom pointed out that this enthusiasm has shown itself in clear thinking and good strategy rather than in emotional fencing.

There's good reason for team morale to be high, since the coed squad, captained by Sandy Foote '67, has been practicing right along with the guys. The girls' team, consisting of eight coeds, will face Brandeis, Wellesley, Radcliffe, Jackson, and BU.

Captain Seddon's pre-season optimism will be tested on Friday, December 3, as the season opens with a meet against Holy Cross at Dupont. The 12 dual meet season will be climaxed by the New England Championships in early March.

## Frosh sports

### Harriers take 9th in New Englands

by Tom Thomas

The MIT frosh cross country team finished a respectable ninth in a 22-team field in the New Englands held here at Franklin Park November 8. The top finishers for MIT included Stan Kozubek (4), Jim Yankaskas (33), Rich Wolfson (43), Tom Najarian (50), and John Usher (72).

Kozubek figured in the battle for top individual honors but was defeated by three others.

Results—1, Hoss UMass 16:02; 2, Oblatz UMass 16:07; 3, Bruen NE 16:12; 4, Kozubek MIT 16:13; 33, Yankaskas MIT; 43, Wolfson MIT; 50, Najarian MIT; 72, Usher MIT. Team Results—1, Mass, 32; 2, Brown, 94; 3, Northeastern, 142; 4, Providence, 165; 5, Holy Cross, 181; 6, Springfield, 193; 7, New Hampshire, 194; 8, Connecticut, 197; 9, MIT, 202; 10, Wesleyan, 263; 11, Central Connecticut, 265; 12, Maine, 293; 13, Southern Conn., 333.

The frosh harriers closed out their successful fall season at the ICA meet in New York Monday, with a fifth place finish out of 19 schools. Over the three mile course at Van Cortlandt Park in the Bronx, Kozubek once again led the harriers with a third place finish. His time of 15:36 was only bettered by Temple's John Schilling and LaSalle's Joe Ryan with times of 15:30.5 and 15:44.0 respectively.

Other scorers for MIT were Jim Yankaskas, 14th at 16:19; Rich Wolfson, 27th at 16:39; John Usher, 41st at 16:58; and Tom Najarian, 44th at 17:11.

#### Winter Outlook

The sports scene here at MIT is beginning to shift into the winter season. The frosh will field at least seven intercollegiate teams. Practice schedules for all of these teams have begun with an eye toward the opening of their respective seasons in the early days of December.

Basketball coach Arnie Singal was greeted by a large group of approximately forty ball players at the official opening of practice October 27. The squad has since been trimmed down to twenty frosh in whom coach Singal puts his hopes for a winning season. As expected, depth will be Tech's biggest attribute this season.

#### Hockey squad improved

Bolstered by a goalie with experience and a few Canadians, the frosh hockey team hopes to improve on last year's 3-7 record. Coach Wayne Pecknold plans to begin practice as soon as the ice gets down. The frosh will be trying to get off on the right foot in their first game December 10. As usual, area prep schools will furnish most of the opposition this winter.

Breaking all precedent, swimming coach David Michael expresses optimism concerning the coming season. He has good reason however. Good swimmers fill all the spots in his lineup. Rumor even has it that the frosh can beat the varsity. As a prelude to their eleven-meet schedule, the

swimmers are holding an intra-squad meet this Wednesday.

#### Track opens Dec. 4


The indoor track season for the frosh will open December 4 with a home meet. Good bets to make additions to the squad are the members of the successful cross country team. All other spots seem to be up for grabs at this time. Coaches Arthur Farnham and Gordon Kelly are presently in need of a manager for the frosh team.

Eleven matches are included on the schedule for the MIT frosh wrestlers. Coach Wilfred Chassey expresses high hopes for this year's squad. For the first time he has men with experience in all the collegiate weight classes. Three Techmen on the team won their class in the recent intramural competition: Wilf Gardner, Keith Davies, and Scudder Smith. Others who placed in this event should be assets to the team, also.

#### Strong squash turnout

If enthusiasm is any indication, the squash team should be strong this winter. Over forty men turned out; however, most of them are inexperienced. Coach Jim Taylor has two months to teach these men the game and form a squad. The team does have the national champion of Greece, L. P. Ipoitis, and hopes are high for an improvement over last year's record.

Fencing should be much improved this year. Three or four of the twelve men out for the team have experience. Usually the figure is much lower. Coach Constantine Arvanites has begun practice, eyeing an opening match with Harvard December 4. The frosh fencers are currently in need of a manager.

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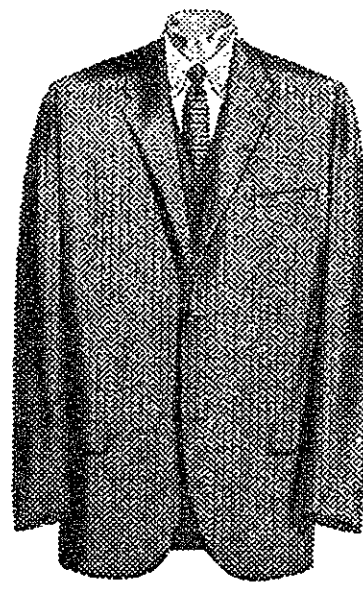
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## Thilly, Landis hurt

# Injuries dampen wrestling hopes

By Armen Varteressian

Recent injuries have cast a pall over what looked to be a promising season for the MIT varsity wrestling team. Leg injuries have sidelined two of the team's mainstays, Bill Thilly '67 and Brook Landis '66. Thilly will be out for the season because of an operation on a trick knee, and Landis will also be out indefinitely because of knee trouble. Their loss leaves a gap in the middle weight classes that will be hard to fill.

### Other slots promising

At other weight slots, however, the outlook is still good. Two upcoming sophomores, Tom Lang and Bill Harris, will wrestle off for a position in the 123 pound bracket. Lang was 6-0 for the frosh team last year. At 130 pounds, Tim Connelly '66 will match his skills against those of co-captain Hal "Chip" Hultgren '66. Connelly's record last year was a respectable 6-4-1, while Hultgren's was 3-6. But almost all of Hultgren's matches were in the 137 pound class, against opponents who outweighed him heavily. In the light of this, Hultgren's record looks more respectable, and indicates a possible good year ahead for him.

### 137 pound class strong

The outlook in the 137 pound class is also good. Co-captain Marland "Whitey" Whiteman '66 captured third place in the New England Championships last year, though he wrestled at 147, ten pounds over his ideal weight. Whiteman posted an 8-5 record during the regular season.

Norm Hawkins '68 will wrestle at 145 pounds this winter, after an undefeated season as a frosh last year. At the season's end, Norm took first place honors in the Freshman New England Championships. Filling in for Thilly at 152 pounds will probably be John Fishback '68. Though he lacks Thilly's experience, Fishback brings a very impressive 8-1 frosh record up with him.

At 160 pounds, Hank DeJong '67, a 6-1 wrestler on last year's JV squad, should capably fill the hole left by Landis's absence. Al Landers '67 brings another fine JV

## IM bowling season finishes first week

The intramural bowling season began at Brighton Bowl, Monday, November 8. This year there are fifty-four teams entered with both fraternities and dormitories represented.

The organization of the intramurals has been changed a little bit from last year. There are nine six-team leagues. For the first six weeks of the season teams play only within their leagues. After regular season play there is a playoff for the championship. The top two teams in each league bowl in a double elimination tournament.

Most of the top teams from last year are also competing this year. Some of the pre-season favorites are Baker A, last year's champion, Burton I, Phi Mu Delta A, Alpha Tau Omega A, and Sigma Phi Epsilon A. If there are any questions contact either Richard Bronowitz at x3783 or Corky Strong at x3624.



Photo by Bill Ingram

Basil Glazer '69 (top) attempts to check Brad Ingram '69 from rolling him over during wrestling practice Friday. The varsity and the freshmen have been working out together since November 1 in preparation for their long season.

record to the varsity in the 167 both 177 pounds and unlimited. In this year's unlimited division Dick

### Schramm wrestles at 177

Big Dave Schramm '67 will be in 177 pound class this year. trying to improve an already excellent 6-1-1 record.

Nygren '66, voted last year's Most Improved Wrestler, will be on the single manager's four-man

## Annual Class Day races to be held Saturday; Varsity heavies, lights compete for Richard's Cup

By David Lyon

Fall crew will come to an end Saturday with the running of the annual Class Day races on the Charles. At 1 pm a full schedule of varsity, frosh, and novelty events will begin. The varsity heavies will split up into three boats, one for each class, to race for the Richard's Cup. The varsity lightweights follow suit in order to race for their own edition of the traditional trophy.

### Frosh squads compete

The frosh will man about twelve boats in a free-for-all competition. The heavies and lightweights will be separated into separate boats in this race. The living group race, in which any fraternity or dormitory is eligible to compete, will follow. The dorm squads are favored in this race even though there are intimations that a fraternity boat might pull the big upset.

There will be two coed fours on the river Saturday. The girls have been practicing long and hard for this race and it should turn into a real show of stamina, sportsmanship, and maybe even a little bit of rowing ability. The coxswains will man two fours to take on the single manager's four-man boat in the final race of the day.

### Shell to be dedicated

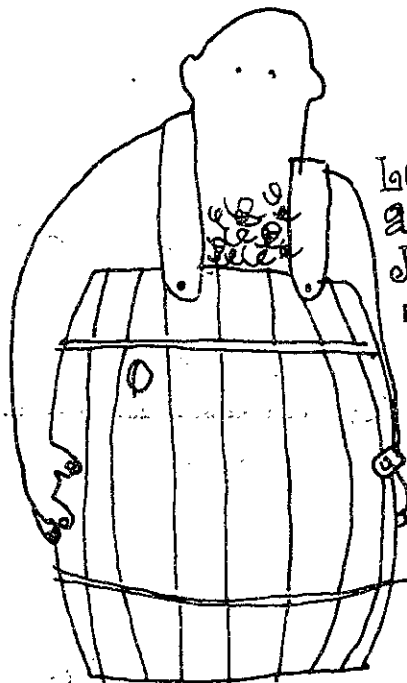
At 2 pm a new shell will be dedicated at the boat house. The craft has been named the Spirit of '62 in honor of the varsity team of that year, which captured the Compton Cup. The entire squad from 1962 has been invited to take part in the ceremony.

The Class Day festivities will begin about 1 p.m. at the old boat house and the races are expected to be over at about 4:30. A steak fry, sponsored by the Boat Club, will follow.

Crew training goes indoors to practice in the new rowing tank for the next few months. In early spring the boats will be out on the river again preparing for the all-important spring races.

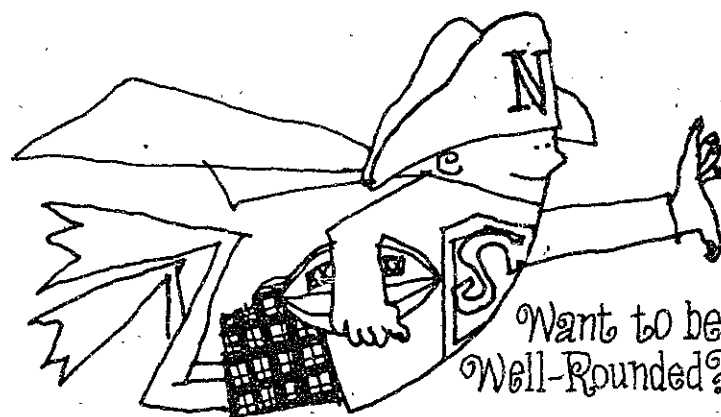
## Northeastern beats rifle team, 1263-1191

The MIT rifle team dropped its second match of the season to Northeastern Friday 1295-1191. Captain Steve Walther '66 was leading scorer for Tech with 250, while Tom Hutzleman '67 had a 247. Also competing were Dick Koolish '67 and Dick Simpson '67. The previous Friday, Tech lost to Harvard 1263-1211.



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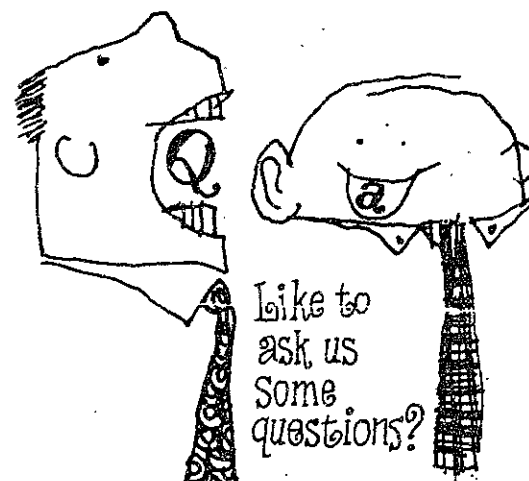
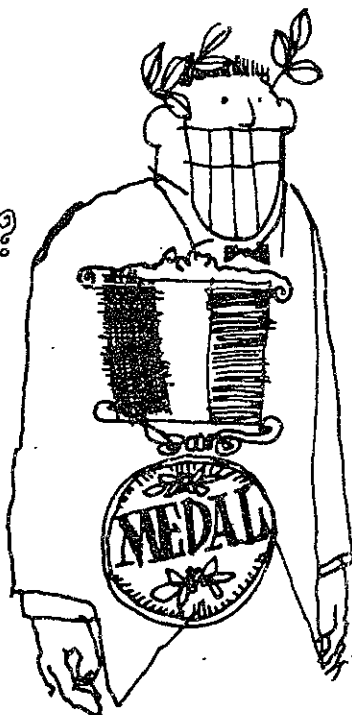


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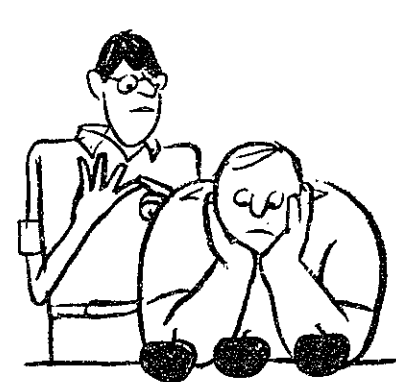
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AEPi B 33.17  
League 2—PMD A 34.18  
Theta Chi 31.36  
League 3—SPE A 33.12  
E. Camp. A 32.36  
League 4—Burton I 35.16  
Sigma Chi 32.06  
League 5—Sen. House 34.46  
Baker C 31.24

**Basketball**  
SAE 63, ZBT 51  
LXA 58, Fiji 34  
AEPi 44, PMD 31  
Grad Econ 49, Ash Hou "A" 44  
GMS 57, Poly Sci 36  
Sen Hou "A" 37, ATO 36  
Bur "A" 34, Sig Ep 36  
ZBT 42, SAM 26  
PLP 69, PMD 34  
Chem "A" 45, "The Team" 44  
GMS 59, Ash Hou "A" 40  
NRSA 59, Chi Phi 28  
DKE 40, Phi Kap Sig 21

Chem "B" 43, Bur "C" 29  
DU 42, Bak "B" 33  
Chinese Stud 43, Stud Hou 42  
Theta Chi "B" 27, Ash Din 22  
Ash Hou "B" 61, Bak "D" 15  
Bur "B" 62, Stud Cent 36  
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Bak "A" 41, Grad Econ "B" 29  
Mesons 29, TDC "B" 17  
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EC "A" 47, Bur "Rebs" 28  
Bur "C" 54, Phi Kap Sig 22  
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Westgate 59, TDC 39  
Sen Hou "B" 45, PLP "B" 27  
AEPi 1, Theta Chi "A" 0 (forfeit)  
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Bur "E" 1, EC "B" 0 (forfeit)  
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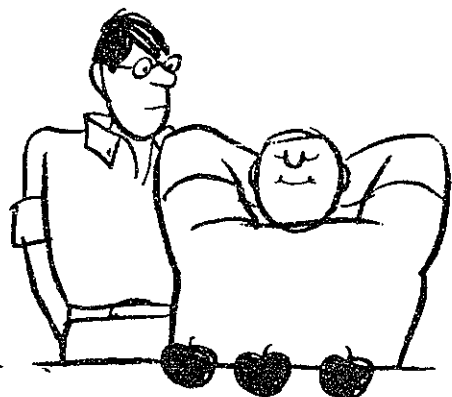
2. You're not much for math either.

On the contrary. I once went through a whole semester of calculus—after Phys. Ed. closed on me during registration.



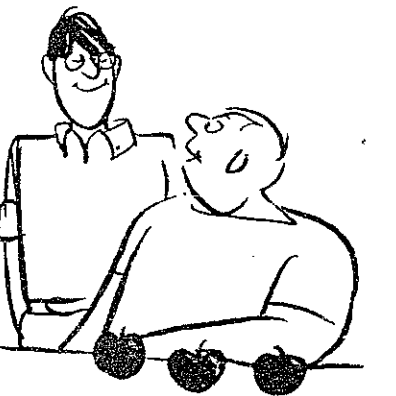
3. What are you going to do with all that knowledge?

Do you need calculus to manufacture fortune cookies?



4. You might become an actuary. It's a challenging, responsible job—and you can make a lot of dough.

A big income is one of my fondest ambitions.



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You're putting me on.



6. It's true. When you pass an actuarial exam, you get an automatic increase in your Equitable salary. And since there are ten exams, you could be making quite a bundle after a while. But don't get involved unless you have an interest in math.

My mother didn't name me Archimedes for nothing.

## Two shows Saturday

# Swim Club presents Aqua Capers

By David Lyon

The MIT Swim Club is presenting its Aqua Capers '65, a show of comedy diving and precision synchronized swimming, at the Alumni Pool November 20. This year's show promises to be even more spectacular than last year's affair which played to standing room only crowds. Among the performers this year are some of the top professional and amateur swimmers and divers in the country.

### Famous diving team

Richard Kimball and Ron O'Brien, diving coaches from the University of Michigan and Ohio State U. respectively, will be one of the performing teams. The pair has been around the world as ambassadors of sport for the US. In their act a complete diving demonstration is performed from a small trampoline placed atop a specially constructed twenty-foot tower. Kimball, who was at one time National Trampoline Champion, will also put on a separate trampoline exhibition. In addition to these already impressive credentials Kimball holds the distinction of having been the 1964 Olympic Diving Coach, and is the current World's Professional Diving Champion.

The famed Wellesley Water Ballet from Wellesley College will be featured at the water show. Composed of Wellesley girls exclusively, the team is well known in East Coast synchronized swimming



Clown diver Richard Kimball, world professional diving champion and 1964 Olympic coach, exhibits part of the form that he will display at the Swim Club's Aqua Capers '65 at the Alumni Pool Saturday at 7 and 9 pm.

competition. Miss Deedee Berle, forming with the comedy team of Kimball and O'Brien and will also be putting on a solo exhibition.

### Gorman also coming

Frank Gorman, 1964 silver medal winner in diving at the Tokyo Olympics, is flying in to take part in the Aqua Capers. Frank won three consecutive Eastern Diving Championships while at Harvard and is considered one of the finest amateur divers in the country. During the show he will be per-

formance by the MIT Logarithms. Aqua Capers '65 will be presented twice, at 7 and at 9 pm Saturday. Prices are \$1.50 for the 7:00 show and \$1.75 for the 9:00 performance. Tickets are now on sale in Building 10 and at the Alumni Pool. For reservations the number to call is UN 4-6900, X4291.

## Ruggers drop 2 close games; both squads fall to Dartmouth teams

By Larry White

In one of the hardest played and closest games of the season, MIT's Rugby Club lost to Dartmouth Saturday by a score of 3-0. The B squad also lost a close one to Dartmouth B 8-0.

Rain was pouring as the A game started. Within thirty seconds of the opening kickoff, Dartmouth scored a try after their kickoff forced our ruggers deep into their own territory. The team quickly recovered, however, and prevented the Big Green from converting. From this point on, the game was characterized by sloppy offense and ball handling caused by the wet ball and excellent defense, particularly by the deep men. MIT took the game deep into Dartmouth territory time and again only to fail to score a try. There was no further scoring and the game ended 3-0. The B team, composed for the

most part of men who had not played together before, played a very good game. Their defense was airtight except for two mistakes that cost them tries. They also had trouble controlling the wet ball.

The A team's record to date is a winless 0-7, while the B team sports a 2-4-1 record. Thanksgiving weekend, both the A and B teams travel to New York for a big tournament there, final games for both squads. Also, next Saturday, both teams play their final regular season games against Tufts away.

## Nautical Assoc. holds sailing talks

The MIT Nautical Association is holding a winter lecture series entitled "Seminars on Seaman ship," dealing with topics of interest to everyone who enjoys sailboats and the sea. The lectures will be given on Wednesdays at 7:30 pm, with room and topics to be posted around the Institute. All members of the MIT Community are welcome.

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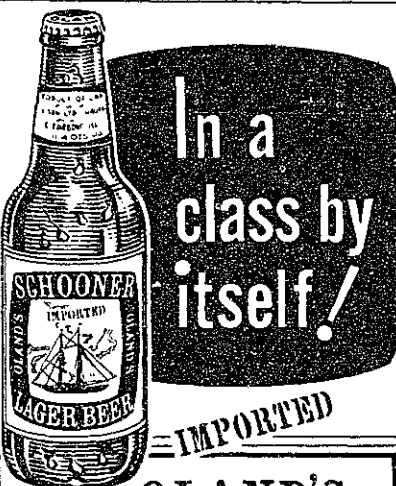
FRENCH FRIES — 35c

POTATO SALAD — 20c

### MEAL or a SNACK

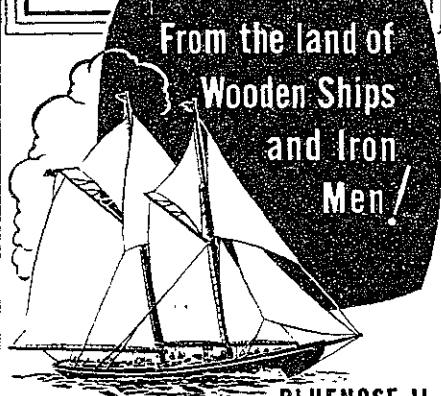
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## Also Oberg champs

# Sailors win Fowle cup

By John Kopolow

The MIT sailing team ended one of the best fall seasons it has enjoyed in years with two typically championship performances. Tech's sailors dominated both the Oberg Trophy Regatta, which brought together Boston area colleges, and the Fowle Trophy Regatta, which included the Coast Guard Academy, URI, and Dartmouth.

Babson, Boston College, Harvard, Northeastern, and Tufts sailed for the Oberg Trophy along with MIT Thursday, but these five schools were able to prevent an MIT victory in only three races. Terry Cronberg '66 and Joe Smullin '66 started as Tech's skippers under the unfavorable sailing conditions of rain and a five mile per hour wind. They quickly opened up a huge lead over the rest of the pack, enabling Chet Osborne '67, Tom Maier '67, and Joe Ferreira '67 to share the skippering duties.

### Tech wins decisively

The Fowle Trophy Regatta, which took place last weekend, was a team racing regatta in which a team's score in a race was determined by the positions of all its boats in the race. There first were qualifying heats, in which MIT took all three of its races from the Coast Guard while URI was beating Dartmouth. In the final heat the Tech skippers won the trophy by winning three of its four races from URI.

Four Techmen—Cronberg, Smullin, Osborne, and Don Schwanz '66—skippered as Mayer, Ferreira, Mike Zuteck '67, Paul Kendall '67, and Mike Johnson '66 crewed.

After very light winds on Saturday, the weather on Sunday provided a severe test to their sailing abilities. Early in the day the wind whipped at 25-30 mph, forcing the sailors to use the smaller sails. As the wind died down to twenty mph, they switched back to the larger ones.

### Sensational season

Because it was such a great team effort which defeated three of the best sailing teams in New England, the capturing of the Fowle Trophy, along with Schwanz's winning of the New England Sloop Championship, was one of the high points of a season which certainly contained many. Perhaps the only disappointment was Tech's third place finish in the Schell Trophy Regatta, the only time this fall that MIT's skippers failed to take either first or second. On the basis of the excellent record they have put together this fall, the team certainly has to be looking forward to next spring's competition.

### MIT going to Sugar Bowl

As a result of their fine showing, the Tech sailors have been invited to take part in the Sugar Bowl Regatta to be held in New Orleans December 28-29. Only three New England colleges were among the fourteen schools asked to participate; besides MIT, the defending champion, Dartmouth and the University of Rhode Island will represent the Northeast. With a strong performance in the South, MIT's sailors could prove themselves to be the best in the country.

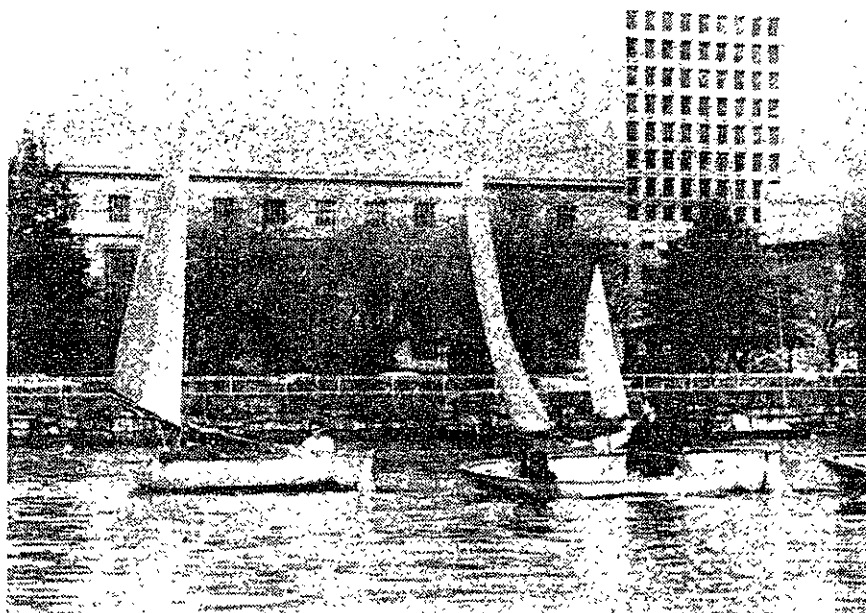


Photo by Tom Dooley

Tech sailors Joe Smullin '66 and Joe Ferrara '67 (left boat) maintain their lead heading downwind over a Boston College boat in last Thursday's Oberg Regatta. Smullin and Ferrara won the race and MIT went on to win the trophy.

## Brown 6th, 3rd

# Cross country team finishes season

By Tony Lima

The MIT harriers ended their fall season by competing in the New England at Franklin Park and the IC4A at Van Cortlandt Park in New York. Once again, Sumner Brown '66 led the Techmen with his best efforts of the year.

In the New England, the harriers finished tenth out of twenty-four teams. Sumner Brown finished two seconds behind Providence's Barry Brown, with his best time of the year. Sumner ran the 4.8 mile course in 23:18, for a fifth place. This time was good enough for Brown to finish ahead of three of the four runners who finished ahead of him in the Greater Bostons a week earlier.

### Winning time 22:39

Finishing first in the meet was Central Connecticut's Ray Crothers, with a time of 22:39. George Starkus of Boston University, Greater Bostons winner, finished second, in 22:56. Providence took the team title with 48 points, and three runners in the top ten fin-

ishers. Brown University finished second, with 85 points, while Central Connecticut was third with 127.

Also scoring for the Techmen were Rob Wesson '66, Helge Bjaa-land '67, Dan Hoban '68, and Harry Link '68. Wesson once again ran a fine race, finishing forty-third.

Varsity Results: New England—1, Grothens (C. Conn.), 22:39; 2, Starkus (BU), 22:56; 3, Riodan (Prov.), 23:12; 4, Brown, B. (Prov.), 23:16; 5, Brown, S. (MIT), 23:18; 6, Bobratz (S. Conn.), 23:19; 7, Harris (Prov.), 23:20; 8, Ennis (Brown), 23:28; 9, McMahon (C. Conn.), 23:29.

Team Scores: New England — 1, Providence, 48; 2, Brown, 85; 3, Central Conn. 127; 4, Northeastern, 150; 5, Wesleyan, 168; 6, New Hampshire, 175; 7, Springfield, 178; 8, Holy Cross, 247; 9, Maine, 269; 10, MIT, 279; 11, U. Mass., 289; 12, U. Conn., 306; 13, R.I., 352; 14, Tufts, 365; 15, So. Conn., 414; 16, Boston College, 416; 17, P. U., 423; 18, Vermont, 501; 19, St. Anselm's, 577; 20, Bates, Brandeis, Worcester Tech, Trinity, Bowdoin.

In the Intercollegiate Amateur Athletic Association of America (IC4A) Championships Monday, the Techmen finished a respectable ninth out of 21 schools in the college division. Sumner Brown improved on his fourth place finish of last year by running third over the 5 mile Van Cortlandt

Park course in the Bronx with a time of 26:02.

### Brown 36 seconds behind

Finishing up his career as the greatest cross country runner in MIT's history, Brown was up near the top most of the way and was only 36 seconds behind the winner, Jim O'Connell of CCNY. Bill Mahoney of Temple was second at 25:47. St. Joseph's of Philadelphia won the team title with 81 points, while Temple was second with 118. MIT had 233.

Captain Rob Wesson '66 in his final race was 16th, Helge Bjaa-land '67 was 55th, Henry Link '66 was 81st, and Peter Peckarski was 82nd.

## How They Did

### Sailing

MIT (V) won the Oberg Trophy  
MIT (V) won the NEISA team racing championship (Fowle Trophy)

### Cross Country

MIT (V) placed 10th in New England  
MIT (V) placed 9th in IC4A meet

MIT (F) placed 9th in New England  
MIT (F) placed 5th in IC4A meet

### Rugby

Dartmouth 3, MIT (A) 0  
Dartmouth 8, MIT (B) 0

### Rifle

Northeastern 1295, MIT (V) 1191  
Harvard 1263, MIT (V) 1211

By Herb Finger

Through the second week of IM basketball play five major league teams have remained undefeated. The American League boasts three of them, Lambda Chi Alpha, Burton "A," and Delta Tau Delta; while the National League has two, Alpha Epsilon Pi and Sigma Alpha Epsilon.

In action Sunday SAE fast broke their way to a 63-51 victory over Zeta Beta Tau. After a tight first quarter the SAE's pulled out ahead to lead 29-23 at halftime. Twenty one points by Guille Cox '68 put the SAE'ors well out in front in the final two periods. Dennis Matthies '68 contributed 18 points to the cause.

### Twickler nets 26

Later that evening Bruce Twickler '68 netted an amazing 26 points to help Lambda Chi Alpha demolish Phi Gamma Delta 58-34. The Lambda Chi heads-up defense enabled them to steal the ball a good percentage of the time. Twickler and Travis Gamble '67 were outstanding with Gamble adding 10.

Alpha Epsilon Pi broke through Phi Mu Delta's zone defense and outscored the Phi Mu's 44-31. Gerry Banner '68 led the Pi's with 13 points, while Sam Wilensky '59 had ten. AEPI started slowly, leading at the end of the first quarter by three. They lengthened their lead at halftime and pulled away in the second half. John Yeasley '66 and Paul Dahlgren '68 contributed 14 points each for the losers.

### Senior House victorious

Dave Pack '68 popped in a 20-foot jump shot with seven seconds left as Senior House edged out Alpha Tau Omega 37-36. After a strong 12-6 first quarter, Senior House settled down to retain the same 6-point lead at half time. Dave Hinchey '68 scored 10 to give ATO the lead with less than a minute. Mike Deutsch '67 was high scorer with 14.

It took Burton "A" four quarters to squeeze out a 34-30 victory over Sigma Phi Epsilon Thursday. Strong play by both teams gave Sig Ep a two-point lead at the end of the first period. Halftime saw Burton on top by two. Marc Seelenfreund '68 dropped in 10 points and dominated the rebounding for Burton. Larry Icerman '67 was responsible for 12 points. Sig Ep's Ron Olsen '67 was the leading scorer with 13 points.

### ZBT tops SAM 42-26

Zeta Beta Tau put its offense into high gear in the second half and trounced Sigma Alpha Mu 42-26. After a tight first half ZBT switched to a press and altered its offense to pull out ahead 27-19 at the end of the third quarter.

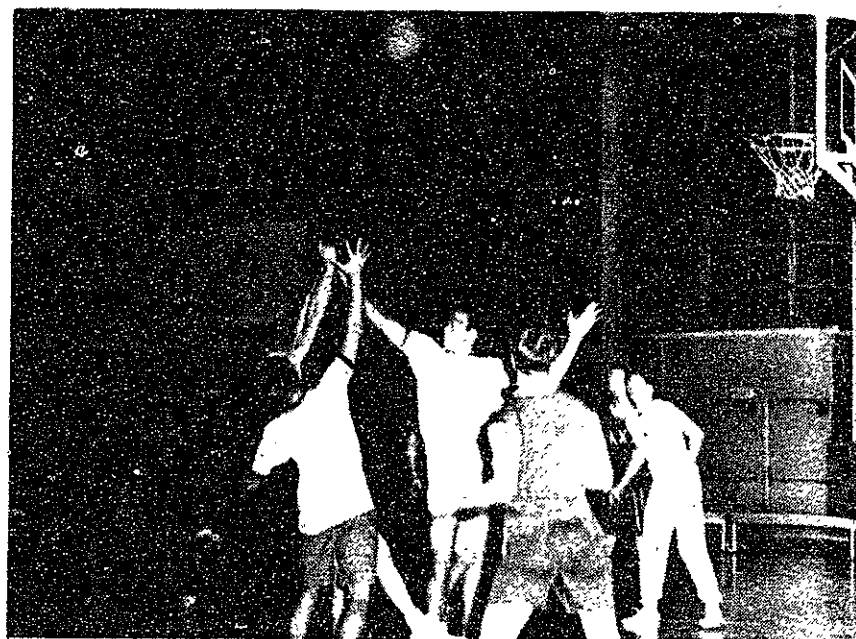


Photo by George Flynn

Lamba Chi's Ken Follansbee '67 shoots over the arms of Fiji's Roy Whittenbach '65 and Joe Blew '65 in Sunday's game. About to rebound are Travis Gamble '67 and Chick Chotkowski '68 of LXA and Biff Wetherill '69 of PGD.

Stu Nemser '66, the Sammies' leading scorer, fouled out at the end of the third period and left SAM without a shooter. ZBT put on a final spurt, outscoring their opponents 15-7 in the fourth period.

In another Major League game, Terry May '66 put in 21 points, while Steve Wiener '69 netted 18, to give Pi Lambda Phi a sure 69-34 victory over Phi Mu Delta. The Pi Lams fast-breaking offense outran PMD from the starting jump, as they led at the end of the first period 21-10. They increased their lead to 40-19 at halftime and sailed through the last half to the 69-34 victory.

### Chem "A" tops "The Team"

Undefeated Chem "A" met undefeated "The Team" Thursday in the big graduate game of the

week. Chem "A" came back from a 27-24 halftime score to top "The Team" 45-44. Nino Leonardi put in 20 points for the victors, with Larry Langdon and Frank Yin scoring 10 each for the losers.

Elsewhere Grad Management Society scored a 59-40 victory in their game with Ashdown House. Tom Johnson topped the scoring column with 16 points for GMS; Paul Bergsteinson had 14. Chuck Hewson and John Ramshaw had 14 and 12 points respectively for Ashdown.

Earlier in the week GMS had outplayed Poly Sci 57-36, with Mark Ramsaier and Bergsteinson the leading scorers, while Grad Econ defeated Ashdown House 49-44 with 22 points by Art Saltzman.

## Varsity basketball opener only 2 weeks away; three returning starters key to successful year

By Steve Wiener

With the opening game only two weeks away, Coach Barry's basketball quintet is shaping into Tech's strongest team in years. Height and the experience of three returning starters which will finally put MIT on an equal level with its New England rivals are the key to what should be a successful year.

Much is being expected of the two forwards, juniors Bob Hardt and Alex Wilson, who loom 6' 6" and 6' 5" respectively. Accounting for 29 points per outing last season, they will be alternating in the pivot. Both Hardt and Wilson received instruction over the summer and promise to be improved ballplayers.

### Mazola returns

Starting for Coach Barry in the backcourt will be Jack Mazola '66, Dave Jansen '68, and Bob Ferrara '67. Mazola averaged 12.7 points per game last campaign, while Jansen ripped the net for over 23 points per contest for the freshman cagers. Though at 6' 4" Dave is unusually tall for a guard, he will — hopefully — fill the new vacant spot of playmaker. The most pleasant surprise for the engineers is Bob Ferrara, who never participated in high school basketball and only played for the JV last season. Bob should aid in solving the team's major problem, that of ballhandling. The reserves are headed by John Flick, who saw a lot of action last year.

The team will be employing an aggressive man-to-man defense more extensively than they have

in previous years. Offensively, their biggest problem has been breaking full court presses. Coach Barry hopes to solve this by running a 3-1-1 with Wilson at mid-court and Hardt underneath the basket. Once again they will be meeting a majority of man-to-man defenses, the rest being either zone or combination.

### 26 game schedule

This year's 26 game schedule, the largest in MIT's history and probably the toughest, features a round robin tournament in Schenectady Dec. 28 to 30, the Blue Nose Classic in Halifax, Nova Scotia, and the first home game against Harvard since 1962. Much will depend on the play of Ferrara and Jansen, who can hopefully fill the shoes of high scoring Bob Grady and Frank Yin. If they do, Tech should better last year's record of 14 and 7, even against rougher opposition.

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